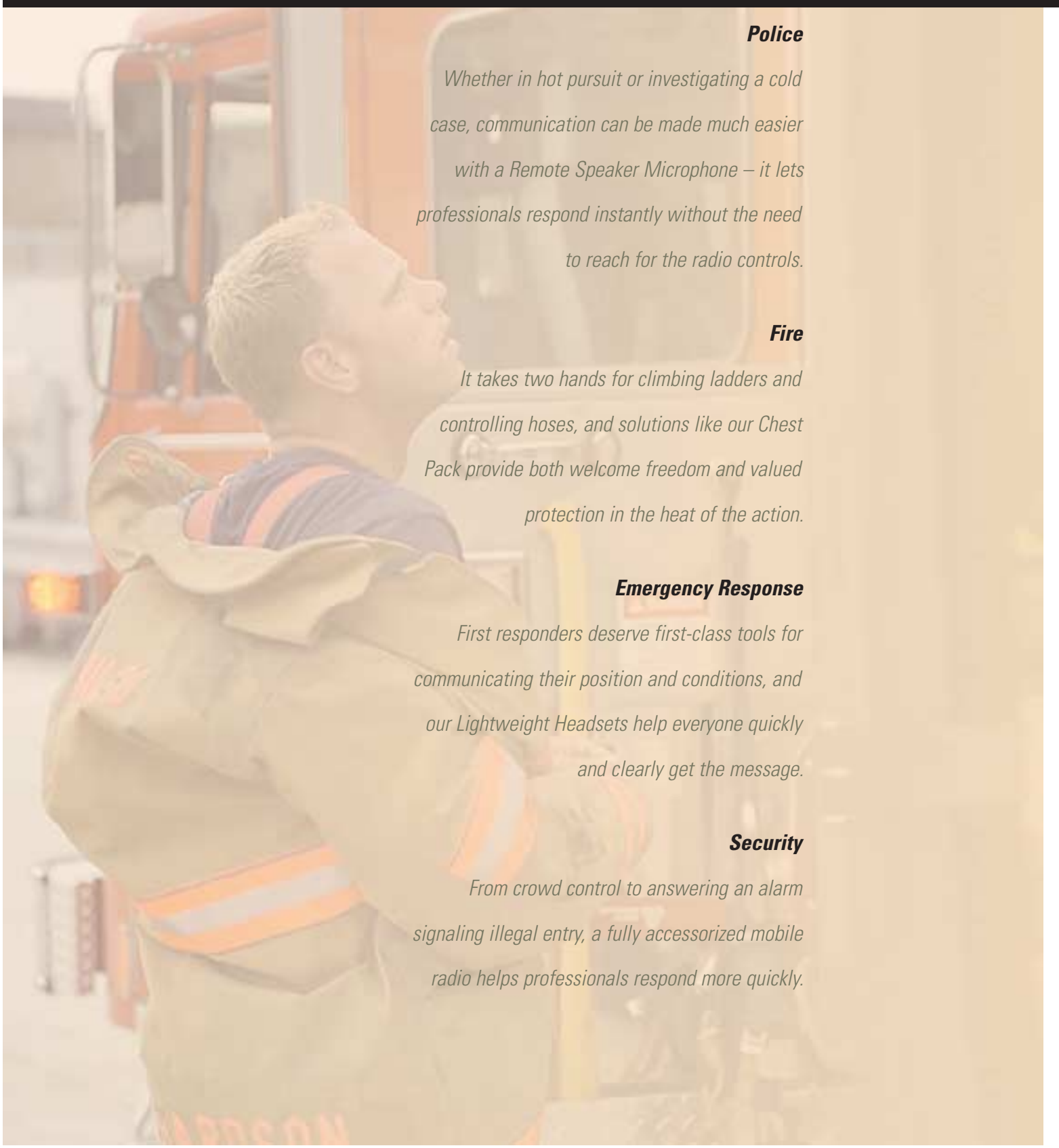
ACCESSORIES AND BATTERIES

Discontinued Portable and Mobile Radios

Nothing beats a Motorola Original® Accessory



Police

Whether in hot pursuit or investigating a cold case, communication can be made much easier with a Remote Speaker Microphone – it lets professionals respond instantly without the need to reach for the radio controls.

Fire

It takes two hands for climbing ladders and controlling hoses, and solutions like our Chest Pack provide both welcome freedom and valued protection in the heat of the action.

Emergency Response

First responders deserve first-class tools for communicating their position and conditions, and our Lightweight Headsets help everyone quickly and clearly get the message.

Security

From crowd control to answering an alarm signaling illegal entry, a fully accessorized mobile radio helps professionals respond more quickly.

When you see the Motorola Original® logo you know the products are built and tested to meet the highest standards.

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HT 1000™, JT 1000™, MTX 8000™, and MTX 9000™

Motorola Original® Accessories let you make the most of your portable radio's capabilities.

You made a sound business decision when you chose your Motorola radio. When you choose performance-matched Motorola Original® accessories, you're making another good call.

That's because every Motorola Original® accessory is designed, built and rigorously tested to the same quality standards as Motorola radios. So you can be sure that each will be ready to do its job, time after time.

What's more, insisting on Motorola Original® accessories can help increase your productivity. That's because you can count on every accessory to do its job time after time. If you take a chance on a mismatched battery, a flimsy headset or an ill-fitting carry case, your radio may not perform at the moment you have to use it.

Keep your Motorola radio performing at its peak. Count on this collection of Motorola Original® accessories for your important business communication needs. You'll find remote speaker microphones for more convenient control. Carry cases for ease when on the move. Earpieces to ensure privacy. Headsets for hands-free operation. High-capacity batteries to extend work time, and more. They'll help you work smarter, harder and with greater convenience.

These dependable portable radios continue to provide a rugged and reliable solution for business communication.

HT 1000, JT 1000, MTX 8000 AND MTX 9000 PORTABLE RADIOS

With our dedication to continual improvement, we discontinue Motorola portable radio models from time to time — but the durability and ease of use you've come to expect stays intact. So with the right Motorola Original® accessories, you can help ensure your radio will continue to meet your needs for a long time to come.

Accessories compatible with MT 2000 and MTS 2000.

HT 1000™

JT 1000™

MTX 8000™

MTX 9000™

HT 1000™, JT 1000™, MTX 8000™, and MTX 9000™

audio

PMMN4038A Remote Speaker Microphone with IP57 Rating

Windporting Remote Speaker Microphone

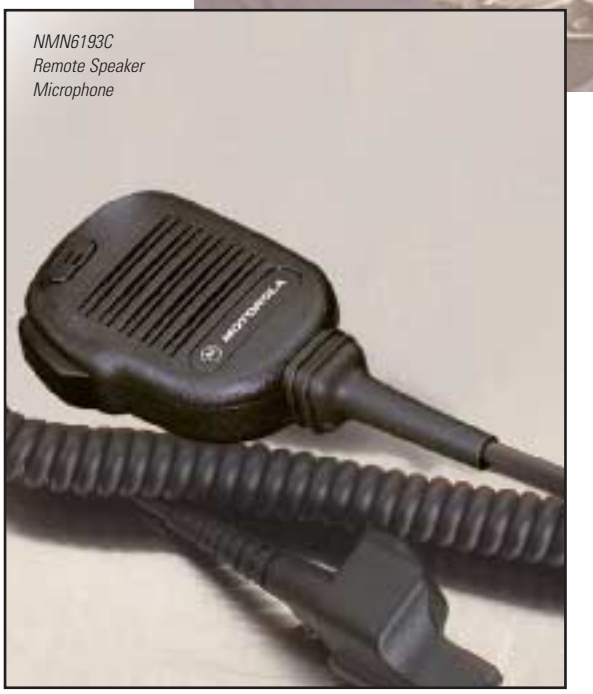
The Windporting feature of these microphones helps lessen background noise from high winds and other severe weather conditions. Audio can pass through the speaker grill even when the microphone port is blocked by water. Now public safety professionals can be more confident than ever of clear, understandable communication when Mother Nature is uncooperative. The Windporting Remote Speaker Microphones allow talking and listening without removing the radio from the belt or case. Both have a coiled cord, Push-to-Talk switch, swivel clip, and quick disconnect latch.

PMMN4038A	Remote Speaker Microphone with IP57 Rating

Remote Speaker Microphones – RSM

These compact Remote Speaker Microphones are water-resistant and allow talking and listening without removing the radio from the belt or case. They have a 6-foot coiled cord assembly, 3.5mm earjack, swivel clip and quick disconnect latch. Adapter NNTN4285A required.

NMN6193C*	Remote Speaker Microphone
NMN6191C*	Noise-Cancelling Remote Speaker Microphone
0104010J46	Replacement Coil Cord Assembly for Remote Speaker Microphone



NMN6193C Remote Speaker Microphone

Epaulet Strap

Black leather Epaulet Strap secures Remote Speaker Microphone to epaulet on shirt or jacket and accommodates back clip in leather cut-outs. Snap closure secures cord to allow reliable communications in hostile environments.

RLN4294A	Epaulet Strap, Velcro
RLN4295A	Epaulet Strap, with Clip

Mandown, Public Safety Tilt Switch

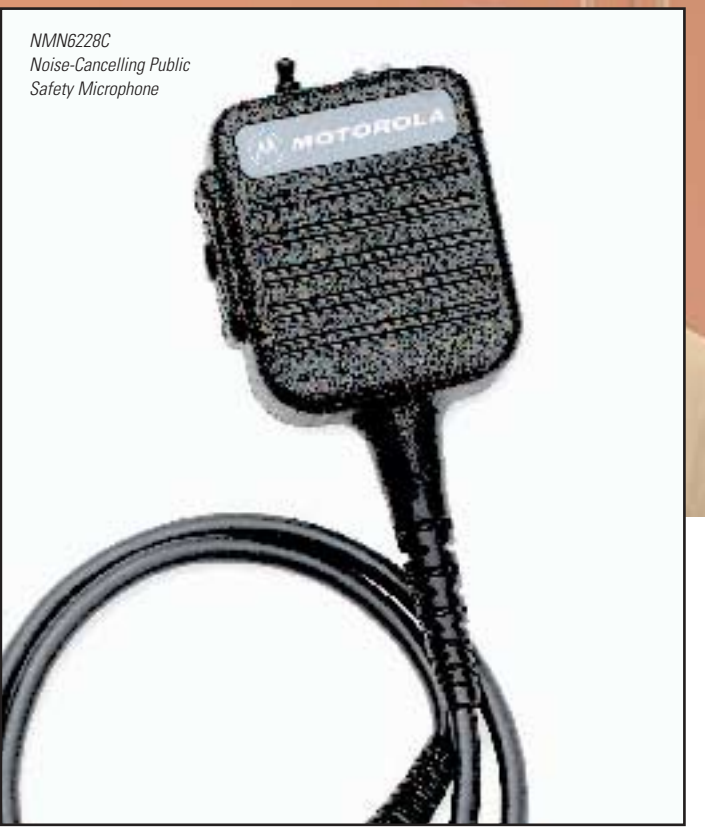
The Mandown, Public Safety Tilt Switch functions as an external emergency switch that is activated when the radio unit is tilted at an angle greater than 60 degrees. Delay times are factory programmed for 8 seconds and are not field programmable. No other audio accessory can be attached to the radio while the tilt switch is attached. Radio must be programmed to enable the emergency tilt feature. Not compatible with the JT 1000.

NTN7660B*	Mandown, Public Safety Tilt Switch

*Intrinsically Safe.

Public Safety Microphones:

Emergency professionals will appreciate the reliability of this PSM. It's designed to help increase coverage so users can communicate clearly and accurately.



NMN6228C
Noise-Cancelling Public Safety Microphone

Public Safety Microphones – PSM

Public Safety Speaker Microphones include straight cord assembly, 3.5mm earjack, swivel clip, quick disconnect latch, antenna connector and receive audio high/low toggle switch. Use with radio's antenna, sold separately. RF adapter is included.

NMN6228C*	Noise-Cancelling Public Safety Microphone with 30 Inch Straight Cord
NMN6243B*	Noise-Cancelling Public Safety Microphone with 18 inch Straight Cord
NMN6244B*	Noise-Cancelling Public Safety Microphone with 24 Inch Straight Cord

RLN5002A
MicJacket

MicJackets

MicJackets provide speaker microphone users with a way to further protect the "head" of their microphone from dust, dirt, metal particles, sweat, body oils and other on-the-job grime. MicJackets also help make handling and interacting with the speaker microphone more hygienic.

RLN5002A	MicJacket – RSM Fits NMN6191C and NMN6193C.
RLN5004A	MicJacket – PSM Fits NMN6228C, NMN6243B and NMN6244B.

MicJackets provide a way to further protect the "head" of the microphone from dust, dirt, metal particles, sweat, body oils and other on-the-job grime.

*Intrinsically Safe.

HT 1000™, JT 1000™, MTX 8000™, and MTX 9000™

audio

RLN5311A Earpiece with Microphone and PTT Combined

RLN5313A Comfort Earpiece, Receive-Only

Surveillance Kits

Surveillance accessories allow the radio user to privately receive messages with the earpiece and are ideal when environments require discreet communication. These surveillance accessories require the 3.5mm threaded audio adapter PMLN4455A that attaches to the radio, unless being used with a remote speaker microphone.

1-WIRE SURVEILLANCE KITS

BDN6664A*	Receive-Only Earpiece with Standard Earphone (1-Wire). Beige.
BDN6665A*†	Extra Loud Receive-Only Earpiece with Standard Earphone (1-Wire). Beige.
BDN6726A*	Receive-Only Earpiece with Standard Earphone (1-Wire). Black
BDN6727A*†	Extra Loud Receive-Only Earpiece with Standard Earphone (1-Wire). Black
BDN6666A*†	Receive-Only Earpiece with Volume Control and Earloop (1-Wire). Beige.
BDN6728A	Receive-Only Earpiece with Volume Control and Earloop (1-Wire). Black.

2-WIRE SURVEILLANCE KITS

BDN6667A*	Earpiece with Microphone and PTT Combined (2-Wire). Beige.
BDN6669A*†	Extra Loud Earpiece with Microphone and PTT Combined (2-Wire). Beige.
BDN6729A	Earpiece with Microphone and PTT Combined (2-Wire). Black.
BDN6731A†	Extra Loud Earpiece with Microphone and PTT Combined (2-Wire). Black.

3-WIRE SURVEILLANCE KITS

BDN6668A*	Earpiece with Microphone and PTT Separate (3-Wire). Beige.
BDN6670A*†	Extra Loud Earpiece with Microphone and PTT Separate (3-Wire). Beige.
BDN6730A	Earpiece with Microphone and PTT Separate (3-Wire). Black
BDN6732A†	Extra Loud Earpiece with Microphone and PTT Separate (3-Wire). Black.

SURVEILLANCE REPLACEMENT ACCESSORIES

PMLN4455A*	3.5mm Threaded Audio Adapter
BDN6676D*	3.5mm Audio Adapter with Quick Disconnect Latch
5080370E97	Replacement Standard Rubber Eartips, Clear. Pack of 25.

Surveillance Kits – With Extended-Wear Comfort Earpiece

These kits include an extended-wear comfort earpiece with rubber eartip and clear, comfortable acoustic tube. Users hear transmissions clearly, while the clear tube provides a discreet appearance.

RLN5314A	Comfort Earpiece, Receive-Only. Beige.
RLN5313A	Comfort Earpiece, Receive-Only. Black.
RLN5311A	Earpiece with Microphone and PTT Combined (2-Wire). Beige.
RLN5312A	Earpiece with Microphone and PTT Combined (2-Wire). Black.

*Intrinsically Safe.
†Extra loud earphone (exceeds OSHA limits).

Quick Disconnect Noise Kits:

The Quick Disconnect Adapter allows users, especially those in multiple shift operations, to easily remove or alternate acoustic tubes.

Quick Disconnect Noise Kits

Extreme Noise Kits provide extra comfort and/or noise protection for users wearing surveillance accessories. Lightweight, translucent tube attaches to Motorola surveillance accessories to provide flexibility and comfort, which now includes a new quick disconnect adapter. The Quick Disconnect Adapter allows users, especially those in multiple shift operations, to easily remove or alternate acoustic tubes. Clothing clip prevents accessory from being pulled from the ear due to body movement or head rotation. For optimal performance, Extra Loud Earphones are recommended.

RLN6230A	Extreme Noise Kit. Includes 2 foam earplugs For high-noise environments. Noise reduction = 24dB. Can be used with Clear Comfortable Earpieces. Black.
RLN6231A	Extreme Noise Kit. Includes 2 foam earplugs For high-noise environments. Noise reduction = 24dB. Can be used with Clear Comfortable Earpieces. Beige.
RLN6232A	Low Noise Kit - Clear Acoustic Tube Assembly Includes 1 clear rubber eartip. For low-noise environments, does not provide hearing protection. Black.
RLN6241A	Low Noise Kit - Clear Acoustic Tube Assembly Includes 1 clear rubber eartip. For low-noise environments, does not provide hearing protection. Beige.
5080369E39†	Extra Loud Earphone. Beige.
5080370E91†	Extra Loud Earphone. Black.

REPLACEMENT ACCESSORIES

RLN6242A	Quick Disconnect Acoustic Tube Replacement
5080384F72	Replacement Foam Plugs. For RLN6230A and RLN6231A. Noise reduction = 24dB. Pack of 50.
5080370E97	Replacement Standard Clear Rubber Eartips. Pack of 25. For RLN6232A and RLN6241A.

RLN6230A
Extreme Noise Kit

RLN6241A
Low Noise Kit

Pellet-Style Earpieces

Pellet-style earpieces allow users to receive communication discreetly and are comfortable for extended-wear use.

BDN6780A	Single Earbud with Microphone and PTT. Requires BDN6676D.
BDN6781A	Earbud, receive-only. Requires BDN6676D unless used with a RSM.
BDN6676D	3.5mm Audio Adapter with Quick Disconnect Latch
7580372E70	Replacement Foam Ear Cushion for Pellet Earpieces

Flexible Ear Receiver

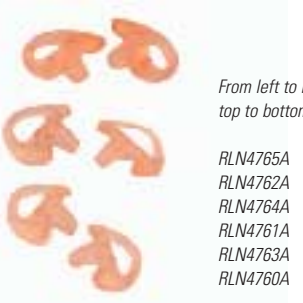
This receive-only earpiece contains a flexible earloop and speaker which rests external to the ear. It plugs directly into adapter or the earjack on speaker microphones.

BDN6719A	Flexible Ear Receiver
7580372E11	Replacement Foam Ear Cushion

Clear Comfortable Earpieces

The Clear Comfortable Earpiece forms to the inside of the ear and is perfect for low-noise environments. It's made of easy-to-clean, chemically-inert, hypo-allergenic material. Compatible with Motorola Noise and Surveillance Kits.

RLN4760A	Small Custom Earpiece - Right Ear
RLN4761A	Medium Custom Earpiece - Right Ear
RLN4762A	Large Custom Earpiece - Right Ear
RLN4763A	Small Custom Earpiece - Left Ear
RLN4764A	Medium Custom Earpiece - Left Ear
RLN4765A	Large Custom Earpiece - Left Ear



From left to right, top to bottom:

RLN4765A
RLN4762A
RLN4764A
RLN4761A
RLN4763A
RLN4760A

*Intrinsically Safe.
†Extra loud earphone (exceeds OSHA limits).

HT 1000™, JT 1000™, MTX 8000™, and MTX 9000™

audio

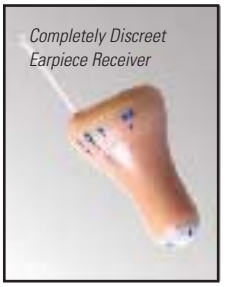
RLN4922A Completely Discreet Earpiece Kit

Completely Discreet Earpiece

Enables users to communicate with ease, in full privacy, without visible equipment. This miniaturized receiver is discreetly hidden in the ear, where it can be worn comfortably for long periods of time. Small as it is, it offers a full range of audio functions including automatic squelch, automatic gain control and noise filtering. Average battery life is approximately 100 hours and includes an end-of-life warning signal when the battery needs to be changed. Kit includes wireless receiver, inductive neckloop, 6 spare batteries and 5 spare earguards. For use with standard 2 or 3-Wire Motorola Surveillance Kits.

RLN4922A	Completely Discreet Earpiece Kit
RLN4919A	Replacement Earguards. 5 per pack.
RNN4055A	Replacement 1.4 Volt Batteries. 6 per pack.

The Completely Discreet Earpiece is easy to use. Simply remove the earpiece from any standard 2 or 3-Wire Motorola Surveillance Kit and plug in the neckloop, which is easily hidden under clothing. Security personnel will be able to wear this tiny receiver comfortably for hours at a time!



Completely Discreet Earpiece Receiver

CommPort™ Integrated Microphone/Receiver System

The CommPort System's advanced, self-adjusting microphone and miniature receiver connect to a two-way radio and make it possible to communicate under the most adverse conditions. A variety of Push-to-Talk options allow the user to customize the CommPort system. 3.5mm adapter BDN6676D included.

NTN1625A*	Integrated Ear Microphone/Receiver System with PTT on Radio Adapter.
NTN1624A*	Integrated Ear Microphone/Receiver System with Palm PTT.
NTN1663A*	Integrated Ear Microphone/Receiver System with Ring PTT.
NTN1736A*	Integrated Ear Microphone/Receiver System with Snap-On-Side PTT.
NNTN4186A*	Integrated Ear Microphone/Receiver System with Body PTT.

COMMPORT REPLACEMENT PARTS

NKN6508A	Cable for NTN1722A
NKN6510A	Palm PTT Cable for NTN1625A
NKN6512A	Ring PTT Cable for NTN1624A
NKN6525A	Snap-on-Side PTT Cable for NTN1736A
NNTN4188A	Body PTT Cable for NNTN4186A
NTN8821A	CommPort Maintenance Kit. Includes 10 replacement ear tubes, 10 microphone seal strips and 2 windscreens.
NTN8986A	Adhesive Pads. For secure attachment to ear. Pack of 90.
NTN8988A	Ear Straps. For secure attachment to ear. Pack of 10.
RLN5037A	Replacement Ear Tubes. Pack of 10.
4285838B01	Replacement Collar Clip
4202006A01	Replacement Back Cover Clip
BDN6676D	3.5mm Adapter with Quick Disconnect Latch

*Intrinsically Safe.

CommPortIntegrated Microphone/Receiver System

Temple Transducer:

Representing a significant achievement in headset design and functionality, it allows the user to receive audio without covering the ear.

BDN6677
EMS with PTT or VOX
Interface Module

Ear Microphone System – EMS

This compact, lightweight unit picks up sound through bone vibrations in the ear. The miniature earpiece leaves the hands free and face unobscured, good for rescue and emergency personnel that must retain the ability to help, hear and speak directly to others, those not on the communication system. EMS may be worn with protective masks without reduction in sound clarity. It's ideal for high-noise environments. PTT or Voice-Activated (VOX) Interface Module required, sold separately.

BDN6677A*	EMS with PTT Interface. Black. For standard noise levels (up to 95dB).
BDN6678A*	EMS with PTT Interface. Beige. For standard noise levels (up to 95dB).
BDN6641A*	EMS with PTT Interface. Grey. For high-noise levels (up to 105dB).
BDN6708B*	Push-to-Talk Only Interface Module
BDN6671B*	Push-to-Talk or Voice-Activated Interface Module VOX operational only on conventional channel.

OPTIONAL ACCESSORIES FOR EMS

0180358B38*	Remote Push-to-Talk Ring Switch
0180300E83*	Remote Push-to-Talk Body Switch
0180300E25	Earguard with Adjustable Loop
0180358B32	Earholder. Black, small. Secures Microphone in ear.
0180358B33	Earholder. Black, medium. Secures Microphone in ear.
0180358B34	Earholder. Black, large. Secures Microphone in ear.
0180358B35	Earholder. Clear, small. Secures Microphone in ear.
0180358B36	Earholder. Clear, medium. Secures Microphone in ear.
0180358B37	Earholder. Clear, large. Secures Microphone in ear.
4202006A01	Replacement Back Cover Clip
4285838B01	Replacement Collar Clip
4280369E44	Replacement Belt Clip with Screws
5080358B28	Eartips. Black, medium. Pack of 10.
5080358B29	Eartips. Black, large. Pack of 10.
5080358B30	Eartips. Beige, medium. Pack of 10.
5080358B31	Eartips. Beige, large. Pack of 10.

Temple Transducer

The Temple Transducer represents a significant achievement in headset design and functionality. It allows the user to receive audio without covering the ear. The receiver portion of this accessory rests on the temples and is capable of converting the receive audio from a two-way radio into sound vibration. Sound vibration is transmitted through the surrounding tissue and bone directly into the inner ear. It features an In-line PTT and noise-cancelling boom microphone. The Temple Transducer can help enhance communication and safety by allowing external sounds, such as machinery and equipment, warning and fire alarms, the intercom, traffic and even casual conversations with co-workers. In high-noise environments it allows the use of earplugs.

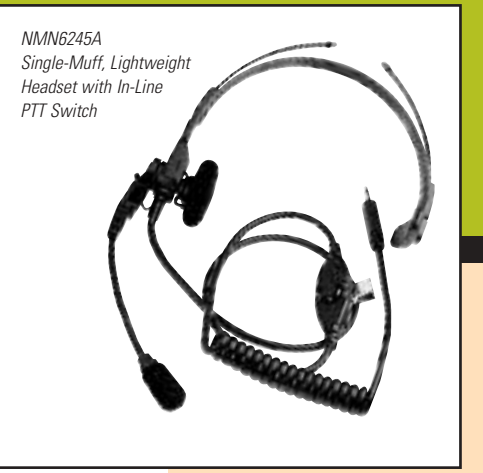
RMN4049A
Temple Transducer

RMN4049A*	Temple Transducer
RMN5048B*	Rugged Temple Transducer
0180305J46	Training CD-ROM. For EMS and Temple Transducer.

*Intrinsically Safe.

HT 1000™, JT 1000™, MTX 8000™, and MTX 9000™

audio



NMN6245A Single-Muff, Lightweight Headset with In-Line PTT Switch

Lightweight Headsets

Lightweight headsets provide high-clarity, hands free, discreet two-way communication, while maintaining the comfort necessary for extended-wear in moderate noise environments. Requires adapter BDN6676D.

NMN6245A*	Single-Muff, Lightweight Headset with In-Line PTT Switch.
NMN6246B*	Ultra-Lightweight Headset with Boom Microphone, In-Line PTT Switch. Earbud style receiver.
NMN1020A*	Lightweight Headset with Boom Microphone Can be worn with helmet or safety glasses. Includes adapter cable NKN6498A. BDN6676D sold separately.
NKN6498A*	Headset Adapter Cable. For NMN1020A.
BDN6676D	3.5mm Adapter with Quick Disconnect Latch
5080574E02	Foam Earpads. For NMN6245A. Pack of 10.

NMN6246B Ultra-Lightweight Headset with Boom Microphone, In-Line PTT Switch

BDN6676D 3.5mm Audio Adapter with Quick Disconnect Latch

Receive-Only Headsets

Receive-Only Headsets are the right choice for high-noise environments where users must hear information clearly, but seldom need to transmit. Dual-Muff headsets feature easily replaceable earseals filled with a liquid and foam combination to provide excellent protection from outside noise as well as comfort. These are for use with Remote and Public Safety Speaker Microphones with a 3.5mm threaded jack. They can also be plugged directly into the radio when used with BDN6676D.

RMN4056B	Receive-Only, Dual-Muff, Headband Style Headset. For use with 3.5mm threaded jack. Plug directly into radio with BDN6676D. Noise reduction = 24dB.
RMN4057B	Receive-Only, Dual-Muff, Hardhat Headset. Mounts easily to hardhats with slots. For use RSMs and PSMs with 3.5mm threaded jack. Plug directly into radio with BDN6676D. Noise reduction = 22dB.
BDN6676D	3.5mm Adapter with Quick Disconnect Latch

RMN4056B Receive-Only, Dual-Muff, Headband Style Headset

Medium Weight Headsets

Medium weight headsets offer high-clarity sound, with the additional hearing protection necessary to provide consistent, clear, two-way radio communication in harsh, noisy environments.

NMN6258A*	Medium Weight, Dual-Muff, Over-the-Head Style Headset with In-line PTT. Noise reduction = 24dB.
NMN6259A*	Medium Weight, Dual-Muff, Behind-the-Head Style Headset. Can be worn with hardhat. Noise reduction = 24dB.
RMN4051B	Two-way, Hardhat Mount Headset with Noise-Cancelling Boom Microphone Noise reduction = 22dB.
BDN6673A	In-Line PTT Adapter Cable for RMN4051B

*Intrinsically Safe.

Medium Weight Headsets:

Offer high-clarity sound, with the additional hearing protection necessary to provide consistent, clear communication in harsh, noisy environments.

RMN4053B Tactical Hardhat Mount Headset, hardhat not included.

Tactical Medium Weight Headsets

Ideal for two-way communication in extremely noise environments. Dual-Muff, tactical headsets have 2 microphones on the outside of the earcups which reproduce ambient sound back into headset. Harmful sounds are suppressed to safe levels and low sounds are amplified up to 5 times original level, but never more than 82dB. Has on/off volume control on earcups. Easily replaceable ear seals are filled with a liquid and foam combination to provide excellent sealing and comfort. 3-foot coiled cord assembly included. Adapter Cable BDN6673A required.

RMN4052B	Tactical Headband Style Headset. Grey, Noise Reduction = 24dB.
RMN4053B	Tactical Hardhat Mount Headset. Grey, Noise Reduction = 22dB. Hardhat not included.
RKN4095A	Adapter Cable with In-Line Push-to-Talk For use with RMN4051B, RMN4052B, and RMN4053B.

RMN4052B Tactical Headband Style Headset

Racing Headset

This heavy-duty headset can be worn with most hardhats. It's ideal for high-noise environments, racing teams like CART® use it in the pits for dependable communication. Adapter required.

RMN5015A	Racing Headset
BDN6673B	Adapter Cable for RMN5015A

RMN5015A Racing Headset

Heavy-Duty Headsets

Heavy-duty headsets include noise-cancelling boom microphones and can be worn with or without a hardhat. The Push-to-Talk switch is located on the earcup. On voice-activated models, the VOX module is contained within the headset. Heavy-duty headsets require radio adapter cable BDN6673A, sold separately.

BDN6645B*	Push-to-Talk Headset with Boom Microphone Requires adapter cable BDN6673A. Noise reduction = 24dB.
BDN6635C*	Voice-Activated (VOX) Headset with Boom Microphone Requires adapter cable BDN6673A. Noise reduction = 24dB.
BDN6636C*	Voice-Activated (VOX) Headset with Throat Microphone Requires adapter cable BDN6673A. Noise reduction = 24dB.
BDN6673A*	Radio Adapter Cable

*Intrinsically Safe.

HT 1000™, JT 1000™, MTX 8000™, and MTX 9000™

carry accessories

Universal Chest Pack

Motorola Original® Universal Chest Pack protects the radio and provides the freedom from holding it during standby communication mode. Universal Chest Pack fits virtually any radio.

HLN6602A	Universal Chest Pack with Radio Holder, Pen Holder and Velcro Secured Pouch
1505596Z02	Replacement Strap for HLN6602A

HLN6602A Universal Chest Pack with Radio Holder, Pen Holder and Velcro Secured Pouch

Break-A-Way Chest Pack

All the features of the original Universal Chest Pack (HLN6602A) plus break-a-way tabs that allow the entire pack to be pulled off with approximately 10 lbs. of pressure.

RLN4570A	Break-a-Way Chest Pack with Radio Holder, Pen Holder and Velcro Secured Pouch.
1505596Z02	Replacement Strap for RLN4570A

RadioPAk™

The RadioPAk is lightweight and comfortable. Worn around the waist, it keeps radios/phones at hand. It features a separate 6 x 8 inch zippered pouch for other on-the-job necessities. Adjustable woven nylon belt fits both men and women.

RLN4815A	RadioPAk Radio/Utility Case
4280384F89	RadioPAk Extension Belt For waists larger than 40 inches.

RLN4815A RadioPAk

Unlike rigid holders, the universal-fit RadioPAk is lightweight and comfortable. An ideal companion for two-way radios, as well as iDEN® portables and cellular phones.

Carry Accessories:

You'd be surprised how much time can be saved when a radio is always in the same place — made easy by this versatile selection of Motorola Original® carry accessories.

NTN7247A
Nylon Case with Belt Loop and Strap

NTN8036B
Leather Case with 2.5 Inch High-Activity Swivel Belt Loop

NTN8038B
Leather Case with 3 Inch High-Activity Swivel Belt Loop

Carrying Cases and Accessories

The carrying cases are available in sizes designed to fit radios with a battery and permit audio to be heard clearly.

STANDARD BELT LOOP CASES

NTN7238A	Leather Case with Belt Loop, D-rings and T-strap For use with high-capacity battery.
NTN7239A	Leather Case with Belt Loop, D-rings and T-strap For use with ultra-high capacity battery.
NDN4018B	Leather DTMF Case with Belt Loop, D-rings and Antenna Strap For use with high and ultra-high capacity batteries.
NTN7247A	Nylon Case with Belt Loop and Strap For use with high and ultra-high capacity batteries.

HIGH-ACTIVITY SWIVEL CASES

NTN8035B	Leather Case with 2.5 Inch High-Activity Swivel Belt Loop, D-rings and T-strap.
NTN8037B	Leather Case with 3 Inch High-Activity Swivel Belt Loop, D-rings and T-strap.
NTN8036B	Leather Case with 2.5 Inch High-Activity Swivel Belt Loop, D-rings and T-strap.
NTN8038B	Leather Case with 3 Inch High-Activity Swivel Belt Loop, D-rings and T-strap.
NDN4017B	Leather DTMF Case with 3 Inch High-Activity Swivel Belt Loop, D-rings and T-strap.

STRAPS

NTN7782A	T-Strap for Leather Carry Cases
NTN7376A	T-Strap for Nylon Carry Cases
NTN5243A	Adjustable, Black Nylon Shoulder Strap Attaches to D-ring on case.

HIGH-ACTIVITY BELT LOOPS & BUTTONS

NTN8039B	2.5 Inch High-Activity Swivel Belt Loop
NTN8040B	3 Inch High-Activity Swivel Belt Loop
NTN1534A	High-Activity D-Button with 2.5 Inch High-Activity Swivel Belt Loop. For use with NTN8039B.
NTN1535A	High-Activity D-Button with 3 Inch High-Activity Swivel Belt Loop. For use with NTN8040B.
NTN8063A	High-Activity D-Button

NTN5243A
Adjustable, Black Nylon Shoulder Strap

NTN8039B and NTN8040B
To remove case from belt, rotate case 180° and slide up and out of holder.

BELT CLIPS & BELT

4205638V09	2.5 Inch Contoured Spring Action Belt Clip
4205638V07	3 Inch Contoured Spring Action Belt Clip
4200865599	1.75 Inch Wide Black Belt

RADIO HANGERS

TDN9327A	Portable Radio Hanger. For door panels up to 2.75 inches.
TDN9373A	Portable Radio Hanger. For door panels up to 2.75 to 3.25 inches.

WATERPROOF BAG

HLN9985B	Waterproof Bag. Includes large carrying strap.

HT 1000™, JT 1000™, MTX 8000™, and MTX 9000™

chargers

Single Unit, Compact, Rapid-Rate Chargers

These chargers have the power supply built into the line cord giving the user a smaller base unit for easier storage. It also utilizes an enhanced charging algorithm that will help maximize the life of your batteries. It will rapid rate charge both NiCd and NiMH batteries.

RPX4747A	Compact, Rapid-Rate Charger, 120V - US
RPX4748A	Compact, Rapid-Rate Charger, 230V - Euro
RPX4749B	Compact, Rapid-Rate Charger, 230V - UK

Motorola Conditioning Chargers – MCC

The MCC features Instant Fault Detection technology that detects faulty batteries in seconds. You'll know right away when a battery won't operate at peak performance - saving you time and trouble. Each unit rapidly charges NiCd and NiMH batteries and optimizes battery performance. It's patented negative pulse charging process minimizes overheating and overcharging, extending useful battery life. Batteries can be left on the charger for extended periods of time, without worry of heat build-up. Optional accessories are available that allow the MCC to be used in both AC and DC environments.

WPLN4090BR	Charger Kit, 120 Volt AC. Includes both Base Charger Unit and 7 Volt Adapter Plate.
WPLN4091BR	Charger Kit, 220 Volt AC. Includes both Base Charger Unit and 7 Volt Adapter Plate.
WPPN4002BR	Base Unit Conditioning Charger, 120 Volt. Adapter Plate sold separately.
WPPN4006AR	Base Unit Conditioning Charger, 220 Volt. Adapter Plate sold separately.
WPPN4065BR	Multi-Unit Conditioning Charger, 4-Station Base, 120 Volt. Adapter Plate sold separately.
WPPN4004BR	7 Volt Adapter Plate

MCC ACCESSORIES

3080384G15	Vehicular Power Adapter
RLN4814A	Vehicular Mounting Bracket and Hard Wire Cable For Single-Unit Motorola Conditioning Chargers. Includes DC Hard Wire Cable 3080384M21.
3080384M21	DC Hard Wire Cable. For vehicular installation.

WPPN4065BR Multi-Unit Conditioning Charger

RLN4814A Vehicular Mounting Bracket and Hard Wire Cable

IMPRES™ Smart Energy System:

The IMPRES™ Smart Energy System automatically reconditions IMPRES™ batteries based on actual usage.

IMPRES™ Smart Energy Systems

IMPRES™ Chargers

Through the use of its advanced charging algorithm and automatic reconditioning features, the IMPRES™ Smart Energy System ensures maximum talk-time and optimized battery cycle life. This smart energy system automatically reconditions IMPRES™ batteries based on actual usage, keeping them in peak condition. Talk-time and cycle life are optimized and the need for manual maintenance programs is eliminated. Its advanced conditioning features allow batteries to be safely left on the charger for extended periods of time without incurring damaging heat build-up which can decrease battery cycle life. In addition, batteries left in the charger are kept fully charged so they are always ready when needed. This rapid-rate, tri-chemistry charging system will also charge compatible non-IMPRES™ batteries and supports multiple radio platforms including SABER, XTS and HT 1000 Series portables.

	IMPRES™ SINGLE-UNIT CHARGERS
WPLN4111AR	IMPRES™ Single-Unit Charger, 120V - US
WPLN4112AR	IMPRES™ Single-Unit Charger, 220V - Euro
WPLN4113AR	IMPRES™ Single-Unit Charger, 240V - UK

	IMPRES™ MULTI-UNIT CHARGERS
WPLN4108BR	IMPRES™ Multi-Unit Charger, 120V - US
WPLN4109BR	IMPRES™ Multi-Unit Charger, 220V - Euro
WPLN4110BR	IMPRES™ Multi-Unit Charger, 240V - UK
NLN7967A	Wall Mount for Multi-Unit Chargers

WPLN4187A
IMPRES™
Multi-Unit Charger

WPLN4111AR
IMPRES™
Single-Unit Charger

IMPRES™ Multi-Unit Chargers with Display Modules

Charger Display Modules provide powerful, "real time" analyzing information for IMPRES™ batteries, including current charge status, battery mAh, and voltage. Readout displays battery kit number, serial number and chemistry and the time remaining to complete the charge for NiCd and NiMH batteries.

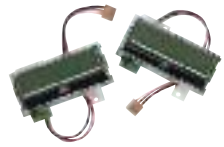
WPLN4130A	IMPRES™ Multi-Unit Charger with Display Modules, 120V - US
WPLN4131AR	IMPRES™ Multi-Unit Charger with Display Modules, 220V - Euro
NLN7967A	Wall Mount for Multi-Unit Charger

IMPRES™ Individual Charger Display Module

Compatible with the standard IMPRES™ Multi-Unit Chargers WPLN4108BR, WPLN4109BR and WPLN4110BR. Up to 6 modules can be used per charger, one for each charging pocket. Includes detailed installation instructions.

RLN5382A	Charger Display Module for IMPRES™ Multi-Unit Charger Version 1.3 or Later.

Note: Display Modules compatible with Multi-Unit Charger version 1.2 or earlier require a software flash update. Version number is located on label on the bottom of the IMPRES™ Multi-Unit charger. If no version is shown, it is earlier than version 1.2. Version 1.2 will appear as V1.20, 1.3 will appear as V1.30, etc.



RLN5382A
Charger Display Modules for IMPRES™ Multi-Unit Chargers

HT 1000™, JT 1000™, MTX 8000™, and MTX 9000™

battery analyzers

WPLN4079BR
6-Station Battery Maintenance System[PLUS]

NDN4005B
3-Station Battery Maintenance System[PLUS]

Battery Maintenance System[PLUS] – BMS[PLUS]

Increase the useful life of your batteries. Using interchangeable battery adapters (sold separately), the BMS[PLUS] is capable of charging and discharging, analyzing, conditioning and cycle testing batteries. It supports NiCd, NiMH and Li-ion batteries (Li-ion 6-station units only) and tracks better voltage and capacity (mAh). Its easy-to-use design supports hundreds of two-way, cellular and camcorder batteries. The BMS[PLUS] has a 3-year warranty and includes serial printer* port (RS-232).

WPLN4079BR	6-Station BMS[PLUS], 120V, AC, 50/60 Hz - US Plug
WPLN4080BR	6-Station BMS[PLUS], 230V, AC, 50/60 Hz - Euro Plug
WPPN4085AR	BMS[PLUS] Li-ion Field Upgrade Kit. Upgrades WPLN4079AR, WPLN4080AR, WPLN4081AR. Allows units to support Li-ion batteries.
NDN4005B	3-Station BMS[PLUS], 120V, AC, 50/60 Hz. Does not support Li-ion or 3-cell batteries.
NDN4006B	3-Station BMSPLUS, 230V, AC, 50/60 Hz. Does not support Li-ion or 3-cell batteries.

BMS[PLUS] ADAPTERS

TDN9435C	Adapter. For NiCd batteries only.
CDN6364A	Adapter. For NiCd, and NiMH batteries.

*Compatible with the STAR Micronics SP200 Series printers (and other printers with STAR emulation); available from STAR Micronics distributors.

Battery Optimizing System II:

Regular use of the BOS II can optimize battery performance and help extend battery life, helping reduce battery replacement costs.

WPLN4124AR
4-Station BOS II

Battery Optimizing System II – BOS II

No other battery analyzer matches the speed, accuracy, versatility and ease-of-use of the BOS II in providing powerful analyzing capabilities. Users can select from 12 pre-programmed service programs making it quick and easy to get up and running. Because the BOS II is programmable, users can create custom programs to perform a wide variety of tasks specific to individual needs. New enhancements include new navigation keys and an improved, more intuitive menu system. Regular use of the BOS II can optimize battery performance and help extend battery life, helping reduce battery replacement costs.

- Support for NiCd, NiMH, Li-ion, and SLA batteries 100W Power Supply programmable from 100 mAh to 4 Amps per station
- Interchangeable Adapters accommodate all major brands
- Includes a variety of User Programs and allows customizable programming
- Proprietary Recondition Cycle restores NiCd and NiMH batteries
- Increased processing power and testing resolution – including a Three-minute Quicktest™ that measures the batteries' State of Health (SoH) Printer Output for reports and labels
- Three-year Warranty

WPLN4124AR	BOS II, 4-Station, 90-264V, AC - US Plug Adapter Plates Required.
WPLN4125AR	BOS II, 4-Station, 90-264V, AC - Euro/UK Plug Adapter Plates Required.

BOS ADAPTER PLATE

RL-72403	Standard Adapter

HT 1000™, JT 1000™, MTX 8000™, and MTX 9000™

vehicular chargers

Don't get caught without a charged, spare battery. It's amazing how much time is lost when you aren't fully prepared.

NTN7143CR

NTN7372AR

NTN7144CR

WPNN4013AR

Vehicular Travel Charger

A great traveling companion for constant communication while on the road. Its small compact design allows the radio to be used while rapid charging in the charger base. Unit includes a voltage regulated vehicular charger adapter, custom charger base, mounting bracket and coil cord.

RLN4884B	Vehicular Travel Charger Includes Mounting Bracket.
RLN5914A	Travel Charger Mounting Bracket Kit Includes screws and nylon cord.

TRANSFORMERS

2580600E05	Transformer, 120V - US
2580600E06	Transformer, 230V - Euro
2580600E07	Transformer, 230V - UK
2580600E08	Transformer, 230V - Argentina

RLN4884B
Vehicular
Travel Charger

Vehicular Charger

This 12 Volt DC charger is ideal for mobile use. It charges portable radio NiCd batteries in rapid-rate charge mode (less than 3 hours) until full charge is obtained and then switches to trickle charge mode. A micro-processor controls the charge rate. This durable unit comes with a metal mounting bracket and is PAC_RT compatible.

TDN9816A	Vehicular Charger

TDN9816A
Vehicular Charger

Motorola Original® Batteries:

Motorola batteries are ruggedly designed for lasting durability and are system tested with Motorola two-way radios to ensure optimum performance.

batteries

IMPRES™ Batteries

IMPRES™ batteries, when used with an IMPRES™ charger, provide automatic, adaptive reconditioning, end-of-life display and other advanced features. Data is stored in the battery and communicated to the charger via a unique IMPRES™ communication protocol which is designed to maximize talk-time and optimize battery cycle life – all automatically.

	IMPRES™ NICKEL CADMIUM - NiCD
HNN9028AR	1550 mAh, 7.5V
HNN9029AR	1550 mAh, 7.5V, Intrinsically Safe

Motorola Original® Batteries

Motorola Original® Batteries offer various chemistry and capacity alternatives, allowing the user to select the ideal battery for his or her needs. NiCd is best suited for extreme-temperature operation, and provides the maximum number of charge/discharge cycles. NiMH batteries offer extended duty cycles – providing more talk-time per shift.

	PREMIUM NICKEL CADMIUM - NiCD
NTN7143CR	1200 mAh, 7.5V
NTN7150AR	1200 mAh, 7.5V, Intrinsically Safe (OSHA)
NTN7372AR	1200 mAh, 7.5V, Intrinsically Safe
NTN7147AR	1300 mAh, 7.5V, Intrinsically Safe
NTN7149BR	1300 mAh, 7.5V, Intrinsically Safe (CSA)
NTN7341AR	1400 mAh, 7.5V, Intrinsically Safe
NTN7144CR	1400 mAh, 7.5V
	PREMIUM NICKEL METAL HYDRIDE - NiMH
WPNN4013A	2000 mAh, 7.5V
WPNN4037A	1900 mAh, 7.5V, Intrinsically Safe

Option Board

NTN8313A	Analog Voice Scrambler Advantage Board. For use with HT 1000 only. NOT APPROVED for installation in FM approved models.

antennas

Flexible Whip Antennas

Flexible Whip Antennas have a one-piece finish, steel core, and spiral wound conductor for optimal radiation characteristics.

8505241U05	Flexible Whip, 1/4 Wave, 380-520 MHz, 6 Inch
8505241U03	Flexible Whip, 1/2 Wave, 806-869 MHz, 7 Inch
8505241U04	Flexible Whip, 1/2 Wave, 896-941 MHz, 7 Inch

Helical Antennas

Helical antennas are sturdy and dependable. The skirt at the base of the connector helps seal out damaging elements. The connector is made of plated brass material for long life.

8505644V01	Helical, 136-151 MHz, 7.5 Inch
8505644V02	Helical, 151-162 MHz, 6.5 Inch
8505644V03	Helical, 162-174 MHz, 6.5 Inch
8505644V04	Helical, 403-435 MHz, 3.5 Inch
8505644V05	Helical, 435-470 MHz, 3 Inch
8505644V06	Helical, 470-512 MHz, 3 Inch

Stubby Antennas

Stubby Antennas are ideal when radio is worn on the belt because the short antenna is non-obtrusive.

8505241U06	Stubby, 1/4 Wave, 806-941 MHz, 4 Inch
RAD4194A	Stubby, 150-162 MHz, 3.55 Inch

Dipole Antennas

Dipole molded antennas are injection molded in lasting polyurethane. The wide skirt at the bottom of the connector protects against damaging environmental elements. The dipole antenna is ideal when strong and solid signal clarity is demanded.

NAF5039A	Dipole, 806-869 MHz, 8 Inch
8505884R02	Dipole, 896-941 MHz, 8 Inch

Wideband Antennas

This Wideband antenna is ideal when radio is used in different frequencies since one antenna will cover all ranges.

8505518V01	Wideband, 136-174 MHz, 8 Inch

Hospitality

Whether in pursuit of a guest request or investigating housekeeping productivity, communication with a Remote Speaker Microphone lets professionals respond instantly without need to reach for the radio controls.

Retail

It takes two hands for ringing sales and managing stock, and solutions like our headsets provide both welcome freedom and valued protection in the heat of the action.

Business

Business class professionals deserve first-class equipment for communicating, and our Lightweight Headsets help everyone quickly and clearly get the message.

Security

From crowd control to answering an alarm signaling illegal entry, a fully accessorized mobile radio helps professionals respond more quickly.

Compact and capable, VISAR® portable radios continue to help professionals stay in contact.

VISAR RADIOS

The discontinued VISAR is still one of the smallest full power, fully featured two-way radios around. It will fit comfortably into the palm of your hand or in your pocket, with the same output power as a radio twice its size. You have the immediate communication of a paging system with the instant response of a two-way radio.

NMN6196A
Remote Speaker Microphone

Remote Speaker Microphone

The Remote Speaker Microphone is a water-resistant compact unit that allows talking and listening without removing the radio from the belt or case. It has a coiled cord, and Push-to-Talk switch. Clothing clip on microphone back clips securely onto shirt or collar.

NMN6196A*	Remote Speaker Microphone

Epaulet Strap

Black leather Epaulet Strap secures Remote Speaker Microphone to epaulet on shirt or jacket and accommodates back clip in leather cut-outs. Snap closure secures cord to allow reliable communications in hostile environments.

RLN4294A	Epaulet Strap, Velcro
RLN4295A	Epaulet Strap, with Clip

MicJackets

MicJackets provide speaker microphone users with a way to further protect the "head" of their microphone from dust, dirt, metal particles, sweat, body oils and other on-the-job grime. MicJackets also help make handling and interacting with the speaker microphone more hygienic.

RLN4903A	MicJacket – RSM Fits NMN6196A.

Clear Comfortable Earpieces

These earpieces form to the inside of the ear and are perfect for low-noise environments. Made of easy-to-clean, chemically-inert, hypo-allergenic material. Compatible with Noise and Surveillance Kits.

RLN4760A	Small Custom Earpiece - Right Ear
RLN4761A	Medium Custom Earpiece - Right Ear
RLN4762A	Large Custom Earpiece - Right Ear
RLN4763A	Small Custom Earpiece - Left Ear
RLN4764A	Medium Custom Earpiece - Left Ear
RLN4765A	Large Custom Earpiece - Left Ear

MicJackets provide a way to further protect the "head" of the microphone from dust, dirt, metal/particles, sweat, body oils and other on-the-job grime.

From left to right, top to bottom:

RLN4765A
RLN4762A
RLN4764A
RLN4761A
RLN4763A
RLN4760A

*Intrinsically Safe.

Surveillance Kits:

Surveillance accessories allow users to receive messages through the earpiece and are ideal in environments that require discreet communication.

Surveillance Kits

Surveillance accessories allow the radio user to privately receive messages with the earpiece and are ideal when environments require discreet communication. These surveillance accessories require the 3.5mm threaded audio adapter PMLN4455B, unless being used with a speaker microphone.

1-WIRE SURVEILLANCE KITS

BDN6664A*	Receive-Only Earpiece with Standard Earphone (1-Wire). Beige.
BDN6665A*†	Extra Loud Receive-Only Earpiece with Standard Earphone (1-Wire). Beige.
BDN6726A*	Receive-Only Earpiece with Standard Earphone (1-Wire). Black
BDN6727A*†	Extra Loud Receive-Only Earpiece with Standard Earphone (1-Wire). Black
BDN6666A*	Receive-Only Earpiece with Volume Control and Earloop (1-Wire). Beige.
BDN6728A*	Receive-Only Earpiece with Volume Control and Earloop (1-Wire). Black.

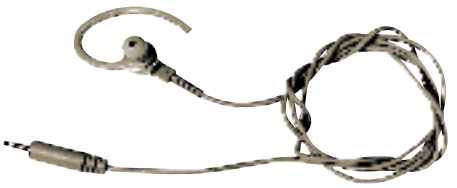
2-WIRE SURVEILLANCE KITS

BDN6667A*	Earpiece with Microphone and PTT Combined (2-Wire). Beige.
BDN6669A*†	Extra Loud Earpiece with Microphone and PTT Combined (2-Wire). Beige.
BDN6729A*	Earpiece with Microphone and PTT Combined (2-Wire). Black.
BDN6731A*†	Extra Loud Earpiece with Microphone and PTT Combined (2-Wire). Black.

3-WIRE SURVEILLANCE KITS

BDN6668A*	Earpiece with Microphone and Push-to-Talk Separate (3-Wire). Beige.
BDN6670A*†	Extra Loud Earpiece with Microphone and Push-to-Talk Separate (3-Wire). Beige.
BDN6730A*	Earpiece with Microphone and Push-to-Talk Separate (3-Wire). Black
BDN6732A*†	Extra Loud Earpiece with Microphone and Push-to-Talk Separate (3-Wire). Black

BDN6664A
Receive-Only Earpiece with Standard Earphone



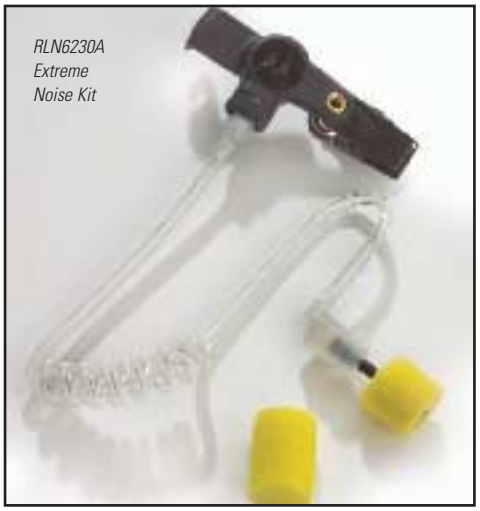
BDN6667A
Earpiece with Microphone and PTT Combined

Quick Disconnect Noise Kits

Extreme Noise Kits provide extra comfort and/or noise protection for users wearing surveillance accessories. Lightweight, translucent tube attaches to Motorola surveillance accessories to provide flexibility and comfort, which now includes a new quick disconnect adapter. The Quick Disconnect Adapter allows users, especially those in multiple shift operations, to easily remove or alternate acoustic tubes. Clothing clip prevents accessory from being pulled from the ear due to body movement or head rotation. For optimal performance, Extra Loud Earphones are recommended.

RLN6230A	Extreme Noise Kit. Includes 2 foam earplugs. For high-noise environments. Noise reduction = 24dB. Can be used with Clear Comfortable Earpieces. Black.
RLN6231A	Extreme Noise Kit. Includes 2 foam earplugs. For high-noise environments. Noise reduction = 24dB. Can be used with Clear Comfortable Earpieces. Beige.
RLN6232A	Low Noise Kit - Clear Acoustic Tube Assembly. Includes 1 clear rubber eartip. For low-noise environments, does not provide hearing protection. Black.
RLN6241A	Low Noise Kit - Clear Acoustic Tube Assembly. Includes 1 clear rubber eartip. For low-noise environments, does not provide hearing protection. Beige.
5080369E39†	Extra Loud Earphone. Beige.
5080370E91†	Extra Loud Earphone. Black.

RLN6230A
Extreme Noise Kit



RLN6241A
Low Noise Kit

REPLACEMENT ACCESSORIES

RLN6242A	Quick Disconnect Acoustic Tube Replacement
5080384F72	Replacement Foam Plugs. Pack of 50. Noise reduction = 24dB. For RLN6230A and RLN6231A.
5080370E97	Replacement Standard Clear Rubber Eartips. Pack of 25. For RLN6232A and RLN6241A.

*Intrinsically Safe.
† Extra loud earphone (exceeds OSHA limits).

VISAR®

audio

RLN4922A Completely Discreet Earpiece Kit

Completely Discreet Earpiece

Enables users to communicate with ease, in full privacy, without visible equipment. This miniaturized receiver is discreetly hidden in the ear, where it can be worn comfortably for long periods of time. Small as it is, it offers a full range of audio functions including automatic squelch, automatic gain control and noise filtering. Average battery life is approximately 100 hours and includes an end-of-life warning signal when the battery needs to be changed. Kit includes wireless receiver, inductive neckloop, 6 spare batteries and 5 spare earguards. For use with any standard 2 or 3-Wire Motorola Surveillance Kit.

RLN4922A	Completely Discreet Earpiece Kit
RLN4919A	Replacement Earguards. 5 per pack.
RNN4055A	Replacement 1.4 Volt Batteries. 6 per pack.

The Completely Discreet Earpiece is easy to use. Simply remove the earpiece from any standard 2 or 3-Wire Motorola Surveillance Kit and plug in the neckloop, which is easily hidden under clothing. Security personnel will be able to wear this tiny receiver comfortably for hours at a time!

Completely Discreet Earpiece Receiver

Flexible Ear Receiver

This receive-only earpiece contains a flexible earloop and speaker which rests external to the ear. It plugs directly into adapter or the earjack on speaker microphones.

BDN6719A	Flexible Ear Receiver
7580372E11	Replacement Foam Ear Cushion

BDN6719A Flexible Ear Receiver

Temple Transducer:

Representing a significant achievement in headset design and functionality, it allows the user to receive audio without covering the ear.

BDN6768A
EMS with PTT or VOX
Interface Module

Ear Microphone System – EMS

This compact, lightweight unit picks up sound through bone vibrations in the ear. The miniature earpiece leaves the hands free and face unobscured, good for rescue and emergency personnel that must retain the ability to help, hear and speak directly to others, those not on the communication system. EMS may be worn with protective masks without reduction in sound clarity. It's ideal for high-noise environments. PTT or Voice-Activated (VOX) Interface Module required, sold separately.

BDN6768A*	EMS with PTT Interface. Black. For standard noise levels (up to 95dB).
BDN6769A*	EMS with PTT Interface. Beige. For standard noise levels (up to 95dB).
BDN6770A*	EMS with PTT Interface. Grey. For high-noise levels (up to 105dB).
BDN6779A*	Push-to-Talk or Voice-Activated Interface Module. VOX operational only on conventional channel.

OPTIONAL ACCESSORIES FOR EMS

0180358B38*	Remote Push-to-Talk Ring Switch
0180300E83*	Remote Push-to-Talk Body Switch
0180300E25	Earguard with Adjustable Loop
0180358B32	Earholder. Black, small. Secures Microphone in ear.
0180358B33	Earholder. Black, medium. Secures Microphone in ear.
0180358B34	Earholder. Black, large. Secures Microphone in ear.
0180358B35	Earholder. Clear, small. Secures Microphone in ear.
0180358B36	Earholder. Clear, medium. Secures Microphone in ear.
0180358B37	Earholder. Clear, large. Secures Microphone in ear.
4202006A01	Replacement Back Cover Clip
4285838B01	Replacement Collar Clip
4280369E44	Replacement Belt Clip with Screws
5080358B28	Eartips. Black, medium. Pack of 10.
5080358B29	Eartips. Black, large. Pack of 10.
5080358B30	Eartips. Beige, medium. Pack of 10.
5080358B31	Eartips. Beige, large. Pack of 10.
0180305J46	Training CD-ROM For Ems and Temple Transducer

*Intrinsically Safe.

VISAR®

audio

Pellet-Style Earpieces

Pellet-style earpieces allow users to receive communication discreetly and are comfortable for extended-wear use.

BDN6780A	Earbud with Microphone and Push-to-Talk
BDN6781A	Receive-Only Earbud
7580372E70	Replacement Foam Cushion for Pellet Earpieces

Lightweight Headsets

These headsets provide high-clarity, hands free, discreet communication, while maintaining the comfort necessary for extended-wear in moderate noise environments. No adapter required.

NMN6245A*	Single-Speaker Lightweight Headset with Boom Microphone and In-Line PTT Switch.
NMN6246B	Ultra-Lightweight Headset with Boom Microphone, In-Line PTT Switch. Earbud style receiver.
REX4648A	Replacement Foam Earpad and Windscreen Kit for NMN6245A

Receive-Only Headsets

Receive-Only Headsets are the right choice for high-noise environments where users must hear information clearly, but seldom need to transmit. Dual-Muff headsets feature easily replaceable earseals filled with a liquid and foam combination to provide excellent protection from outside noise as well as comfort. These are for use with Remote and Public Safety Speaker Microphones with a 3.5mm threaded jack. They can also be plugged directly into the radio when used with 3.5mm adapter BDN6676D.

RMN4056B	Receive-Only, Dual-Muff, Headband Style Headset For use with 3.5mm threaded jack. Can be plugged directly into radio with adapter BDN6676D. Noise reduction = 24dB.
RMN4057B	Receive-Only, Dual-Muff, Hardhat Headset. Mounts easily to hardhats with slots. For use with RSMs and PSMs with 3.5mm threaded jack. Can be plugged directly into radio with adapter BDN6676D.
BDN6676D	3.5mm Adapter with Quick Disconnect Latch

Heavy-Duty Headsets

Heavy-duty headsets include noise-cancelling boom microphones and can be worn with or without a hardhat. The Push-to-Talk switch is located on the earcup. On voice-activated models, the VOX module is contained within the headset. Radio adapter cable BDN6772B required.

BDN6645A*	Push-to-Talk Headset with Boom Microphone Requires adapter cable BDN6772B. Noise reduction = 24dB.
BDN6635C*	Voice-Activated (VOX) Headset with Boom Microphone Requires adapter cable BDN6772B. Noise reduction = 24dB.
BDN6636C*	Voice-Activated (VOX) Headset with Throat Microphone Requires adapter cable BDN6772B. Noise reduction = 24dB.
BDN6772B*	Radio Adapter Cable

*Intrinsically Safe.

BDN6780A Earbud withMicrophone and Push-to-Talk

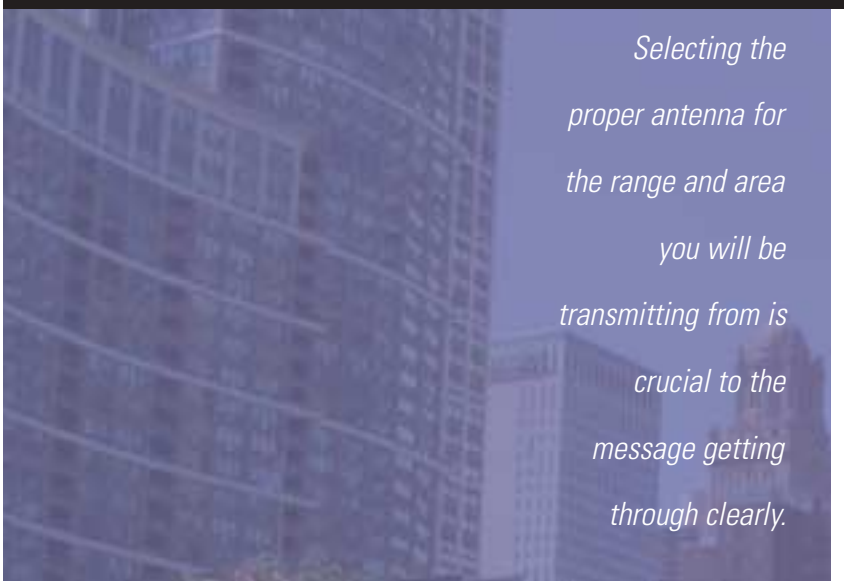
NMN6245A Lightweight Headset with In-Line PTT Switch

NMN6246B Ultra-Light Headset with Boom Microphone

BDN6645B Push-to-Talk Headset with Boom Microphone

Motorola Original® Batteries:

Motorola batteries are ruggedly designed for lasting durability and are system tested with Motorola two-way radios to ensure optimum performance.



batteries

Motorola Original® Batteries

Motorola Original® Batteries are ruggedly designed for lasting durability and are system tested with Motorola two-way radios to ensure optimum performance. We offer various chemistry and capacity alternatives, allowing the user to select the ideal battery for his or her needs. NiCd is best suited for extreme-temperature operation, and provides the maximum number of charge/discharge cycles. Li-ion batteries offer extended duty cycles – providing more talk-time per shift.

PREMIUM NICKEL CADMIUM - NiCd

NTN7395BR	NiCd, 1200 mAh, 7.5V
NTN7398BR	NiCd, 1200 mAh, 7.5V, Intrinsically Safe

PREMIUM NICKEL METAL HYDRIDE - NiMH

NTN7394CR	NiMH, 1300 mAh, 7.5V
NTN7396BR	NiMH, 600 mAh, 7.5V
NTN7397CR	NiMH, 1300 mAh, 7.5V, Intrinsically Safe

NTN7395BR

NTN7398BR

antennas

Stubby Antennas

Stubby antennas are ideal when the radio is worn on the belt because they are short and non-obtrusive. These rugged, helical antennas feature a capless sheath that allows for maximum flexibility.

8505241U06	Stubby, 1/4 Wave Broadband, 806-941 MHz Operates in the 800/900 MHz band.

Flexible Whip Antennas

These Antennas have a one-piece finish, steel core, and spiral wound conductor for optimal radiation characteristics.

8505241U05	1/4 Wave Flexible Whip, 380-520 MHz, 6 Inch
8505241U03	1/2 Wave Flexible Whip, 806-869 MHz, 7 Inch

Helical Antennas

Helical antennas are sturdy and dependable. Each antenna is designed and built to quality standards. The skirt at the base of the connector helps to seal out damaging elements. The connector is made of plated brass material for long life.

8505834W01	Helical, 136-151 MHz, 6 Inch
8505834W02	Helical, 151-162 MHz, 5 Inch
8505834W03	Helical, 162-174 MHz, 5 Inch
8505644V04	Helical, 403-435 MHz, 3.5 Inch
8505644V05	Helical, 435-470 MHz, 3 Inch
8505644V06	Helical, 470-512 MHz, 3 Inch

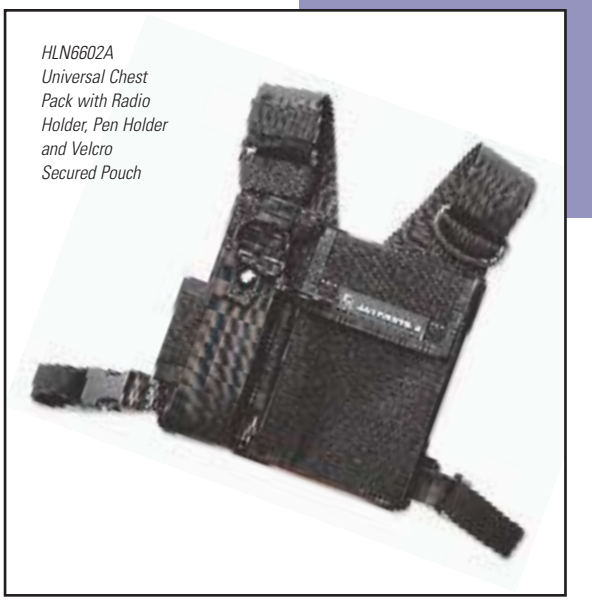
VISAR®

carry accessories

Universal Chest Pack

Motorola Original® Universal Chest Pack protects the radio and provides the freedom from holding it during standby communication mode. Universal Chest Pack fits virtually any radio.

HLN6602A	Universal Chest Pack with Radio Holder, Pen Holder and Velcro Secured Pouch
1505596Z02	Replacement Strap for HLN6602A



HLN6602A Universal Chest Pack with Radio Holder, Pen Holder and Velcro Secured Pouch

Break-A-Way Chest Pack

All the features of the original Universal Chest Pack (HLN6602A) plus break-a-way tabs that allow the entire pack to be pulled off with approximately 10 lbs. of pressure.

RLN4570A	Break-a-Way Chest Pack with Radio Holder, Pen Holder and Velcro Secured Pouch.
1505596Z02	Replacement Strap for RLN4570A

RadioPAk™

The RadioPAk is lightweight and comfortable. Worn around the waist, it keeps radios/phones at hand. It features a separate 6 x 8 inch zippered pouch for other on-the-job necessities. Adjustable woven nylon belt fits both men and women.

RLN4815A	RadioPAk Radio/Utility Case
4280384F89	RadioPAk Extension Belt For waists larger than 40 inches.

RLN4815A RadioPAk

Unlike rigid holders, the universal-fit RadioPAk is lightweight and comfortable. An ideal companion for two-way radios, as well as iDEN® portables and cellular phones.

Carry Accessories:

You'd be surprised how much time can be saved when a radio is always in the same place — made easy by this versatile selection of Motorola Original® carry accessories.

Carrying Cases

Full coverage carrying cases provide a convenient way to carry your radio while protecting it from the environment. These cases are designed to fit all VISAR radios and battery configurations permitting audio to be heard clearly. Choose from nylon or leather construction and a variety of other carry accessories.

MEDIUM CAPACITY BATTERIES

NDN4010A	Hard Leather DTMF Case with 2.5 Inch Swivel Belt Loop
NDN4011A	Hard Leather Case with 2.5 Inch Swivel Belt Loop
TDN9659C	Soft Leather Case with Belt Loop and Wrist Strap
TDN9657B	Nylon Case with Belt Loop

HIGH & ULTRA HIGH CAPACITY BATTERIES

NDN4012A	Hard Leather DTMF Case with 2.5 Inch Swivel Belt Loop
NDN4013A	Hard Leather Case with 2.5 Inch Swivel Belt Loop
TDN9660C	Soft Leather Case with Belt Loop and Wrist Strap
TDN9658B	Nylon Case with Belt Loop

CARRY ACCESSORIES

NTN7632A	Plastic Carry Holster with 1.5 Inch Belt Clip
NTN7633A	Plastic Carry Holster with 2.5 Inch Belt Clip
TDN9675B	Soft Leather Wrist Strap
4200865599	1.75 Inch Wide Black Leather Belt For all models.
NTN5243A	Adjustable, Black Nylon, Carrying Strap Attaches to "D" ring on case.

WATERPROOF BAG

HLN9985B	Waterproof Bag

MISCELLANEOUS

TDN9327A	Portable Radio Hanger For door panels up to 2.75 inches.
TDN9373A	Portable Radio Hanger For door panels up to 2.75 to 3.25 inches.

NTN5243A

NDN4010A
Hard Leather DTMF Case with 2.5 Inch Swivel Belt Loop

NDN4012A
Hard Leather DTMF Case for High Capacilty Batteries

NDN4013A
Hard Leather Case with 2.5 Inch Swivel Belt Loop

VISAR®

chargers

VISAR® Single Unit, Desktop Chargers

These chargers have the power supply built into the line cord giving the user a smaller base unit for easier storage. It also utilizes an enhanced charging algorithm that will help maximize the life of your batteries. It will rapid rate charge both NiCd and NiMH batteries.

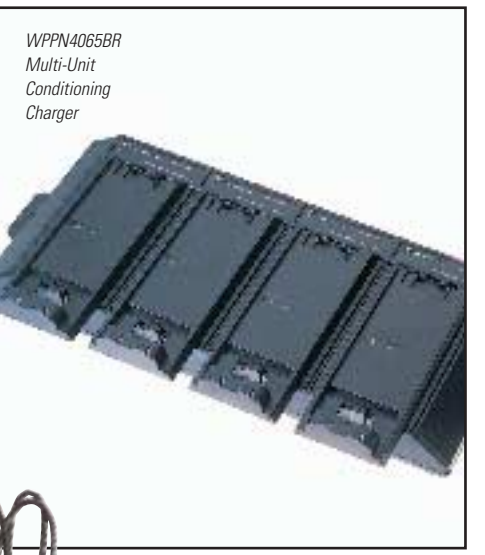
HKTN4004B	VISAR/KVL Charger Kit, 120V - US Includes adapter PMLN5122A and Single-Unit Charger WPLN4111AR.
HKTN4005A	VISAR/KVL Charger Kit, 220V - Euro Includes adapter PMLN5122A and Single-Unit Charger WPLN4112AR.
HKTN4006A	VISAR/KVL Charger Kit, 240V - UK Includes adapter PMLN5122A and Single-Unit Charger WPLN4113AR.
PMLN5122A	VISAR Adapter for Single-Unit Chargers

HKTN4004B VISAR/KVL Charger Kit

Motorola Conditioning Chargers – MCC

The MCC features Instant Fault Detection technology that detects faulty batteries in seconds. You'll know right away when a battery won't operate at peak performance - saving you time and trouble. Each unit rapidly charges NiCd and NiMH batteries and optimizes battery performance. It's patented negative pulse charging process minimizes overheating and overcharging, extending useful battery life. Batteries can be left on the charger for extended periods of time, without worry of heat build-up. Optional accessories are available that allow the MCC to be used in both AC and DC environments – that's flexibility.

WPLN4100CR	Charger Kit, 120V, AC. Includes both Base Charger Unit and 7V Adapter Plate.
WPLN4101BR	Charger Kit, 220V, AC. Includes both Base Charger Unit and 7V Adapter Plate.
WPPN4002BR	Base Unit Conditioning Charger, 120V Adapter plate sold separately.
WPPN4006AR	Base Unit Conditioning Charger, 220V Adapter plate sold separately.
WPPN4065BR	4-Station Multi-Unit Conditioning Charger, 120V, Adapter Plate sold separately.
WPPN4003CR	7V Adapter Plate



WPPN4065BR Multi-Unit Conditioning Charger

MCC ACCESSORIES

3080384G15	Vehicular Power Adapter
RLN4814A	Vehicular Mounting Bracket and Hard Wire Cable For Single-Unit Motorola Conditioning Chargers. Includes DC Hard Wire Cable 3080384M21.
3080384M21	DC Hard Wire Cable. For vehicular installation.

RLN4814A Vehicular Mounting Bracket and Hard Wire Cable

Battery Maintenance System^{PLUS}:

Using interchangeable battery adapters the BMS^{PLUS} is capable of charging and discharging, analyzing, conditioning and cycle testing batteries.

WPLN4079BR
6-Station Battery Maintenance System^{PLUS}

Battery Maintenance System^{PLUS} – BMS^{PLUS}

Increase the useful life of your batteries. Using interchangeable battery adapters (sold separately), the BMS^{PLUS} is capable of charging and discharging, analyzing, conditioning and cycle testing batteries. It supports NiCd, NiMH and Li-ion batteries (Li-ion 6-station units only) and tracks better voltage and capacity (mAh). Its easy-to-use design supports hundreds of two-way, cellular and camcorder batteries. The BMS^{PLUS} has a 3-year warranty and includes serial printer* port (RS-232).

WPLN4079BR	6-Station BMS^{PLUS}, 120V, AC, 50/60 Hz - US Plug
WPLN4080BR	6-Station BMS^{PLUS}, 230V, AC, 50/60 Hz - Euro Plug
WPPN4085AR	BMS^{PLUS} Li-ion Field Upgrade Kit. Upgrades WPLN4079AR, WPLN4080AR, WPLN4081AR. Allows units to support Li-ion batteries.
NDN4005B	3-Station BMS^{PLUS}, 120V, AC, 50/60 Hz. Does not support Li-ion or 3-cell batteries.
NDN4006B	3-Station BMSPLUS, 230V, AC, 50/60 Hz. Does not support Li-ion or 3-cell batteries.

BMS^{PLUS} ADAPTERS

TDN9717A	Adapter. For NiCd batteries only.
CDN6141A	Adapter. For NiCd, and NiMH batteries.

*Compatible with the STAR Micronics SP200 Series printers (and other printers with STAR emulation); available from STAR Micronics distributors.

Battery Optimizing System II – BOS II

No other battery analyzer matches the speed, accuracy, versatility and ease-of-use of the BOS II in providing powerful analyzing capabilities. Users can select from 12 pre-programmed service programs making it quick and easy to get up and running. Because the BOS II is programmable, users can create custom programs to perform a wide variety of tasks specific to individual needs. New enhancements include new navigation keys and an improved, more intuitive menu system. Regular use of the BOS II can optimize battery performance and help extend battery life, helping reduce battery replacement costs.

- Support for NiCd, NiMH, Li-ion, and SLA batteries 100W Power Supply programmable from 100 mAh to 4 Amps per station
- Interchangeable Adapters accommodate all major brands
- Includes a variety of User Programs and allows customizable programming
- Proprietary Recondition Cycle restores NiCd and NiMH batteries
- Increased processing power and testing resolution – including a Three-minute Quicktest™ that measures the batteries' State of Health (SoH) Printer Output for reports and labels
- Three-year Warranty

WPLN4124AR
4-Station BOS II

WPLN4124AR	BOS II, 4-Station, 90-264V, AC - US Plug. Adapter Plates Required.
WPLN4125AR	BOS II, 4-Station, 90-264V, AC - Euro/UK Plug. Adapter Plates Required.

BOS ADAPTERS

RL-73183	Standard Adapter - VISAR

Motorola Original® Accessories let you make the most of your radio's capabilities.

You likely chose your Motorola mobile radio for its ease of use and exceptional reliability — certainly a sound business decision. Choosing Motorola Original® accessories for your radio is also the right call to make.

That's because every Motorola Original® accessory is designed, built and rigorously tested to the same quality standards as Motorola radios. So you can be sure that each will be ready to do its job, time after time.

What's more, insisting on Motorola Original® accessories can help increase your productivity. That's because you can count on every accessory to do its job time after time. If you take a chance on a mismatched antenna, a clumsy handset or an ill-fitting mounting, your radio may not perform at the moment you have to use it.

Keep your Motorola radio performing at its peak. Count on this collection of Motorola Original® accessories for your important business communication needs. You'll find Speakers to help get the word out. In-vehicle mounting accessories for ease of use when on the move. Control Station accessories for an efficient, streamlined operation. A variety of antennas to extend range, and help maximize communication in urban areas. They'll help you work smarter, harder and with greater convenience.

MCS 2000 mobile radios continue to help professionals on the move stay connected.

MCS 2000 RADIOS

This discontinued full-featured mobile analog radio is compact and lightweight, yet is packed with power and performance. Built on a truly flexible platform, it is dynamic enough to change with the times through easy and economical software upgrades plus the wide selection of Motorola Original® accessories on the following pages.

microphones

Adapter cables allow a second microphone to be added through the mobile accessory connector. Second PTT microphone (HMN4069E or HMN4072E) required.

HMN4069E
Standard White Palm Microphone

Microphones

HMN4069E	Standard White Palm Microphone Includes 40 foot cable.
HMN4072E	Classic White Palm Microphone Includes 40 foot cable.
NMN6210D	3x4 Button Keypad Microphone Includes 3 additional programmable buttons.
HMN4049C	Noise-Cancelling Microphone
HMN1085B	Handset with Hang-up Cup

MICROPHONE ADAPTER CABLES

HKN6129A	17 Foot Adapter Cable For second microphone.
HKN6130A	40 Foot Adapter Cable For second microphone.

MCS 2000™

hands-free audio

HMN1073A
Remote Mount Visor Microphone

Visor Microphone and PTT Switches

Improve convenience and safety with the Visor Microphone and its compatible hands free transmission options. Small microphone mounts to vehicle's visor for convenient hands free radio operation. Use with choice of external Push-to-Talk switch.

FMN1611C	Dash Mount Visor Microphone
HMN1073A	Remote Mount Visor Microphone

EXTERNAL PTT ACCESSORIES

HLN5131C	Pushbutton with Push-to-Talk Can be held in the hand, or mounted to the vehicle with touch fasteners.
GLN7278B	Foot Switch with Push-to-Talk Mounts to floor of vehicle
GLN7279A	Gooseneck Mount with Push-to-Talk Attaches to vehicle steering column.
HKN6116A	1 Foot Adapter Cable
HLN6356B	Installation Hardware Kit

Emergency Switches

Lets user notify the base station quickly and discreetly of trouble. Sends unit ID alarm to base station and activates the microphone.

GLN7280A	Emergency Push Button
HLN5113B	Emergency Foot Switch

External Alarm Relay Accessories

These External Alarm Relay accessories can help provide extra protection from radio theft and tampering.

GLN7282A	Alarm Buzzer
HLN6372A	Key Lock Mount
HKN6128A	Ignition Switch Cable
GKN6262B	Car Radio Mute Cable

For conversations on the road, a Remote Mount Visor Microphone can be mounted to the vehicle and used for hands-free communication.

Control Station:

Turn a MCS 2000 into a desktop base station. Perfect for fleet operators in transportation, construction and public safety industries.

Control Station

These control station accessories allow you to convert MCS 2000 mobile two-way radios into attractive, convenient base stations. The radio sits in a choice of two desktop trays. Add an internal microphone, speaker and power supply. This makes an ideal communication solution for transportation, manufacturing, construction and public safety users.

CONTROL STATION ACCESSORIES

RMN5068A	Desktop Microphone. Black. Large Push-to-Talk button.
HLN6404A	Desktop Tray with Speaker - Low Power For use with Model II and III.
HLN6405A	Desktop Tray without Speaker - Low Power Rubber. For use with Model I.
HLN6580B	Desktop Tray with Speaker - Mid Power For use with Model II and III.
HLN6581A	Desktop Tray without Speaker - Low Power Hard Plastic. For use with Model II and III.
HPN4008B	Power Supply, 1-25W, for low power radios. Power cord included.
HPN4007A	Power Supply, 25-60W, for low power radios. Power cord included.

POWER CABLES

HKN4191B	10 Foot Low/Mid Power Cable
HKN4192B	20 Foot Low/Mid Power Cable
HKN6110B	20 Foot High Power Cable Not for Low/Mid power use.

Speakers

Communicate with the public in the event of an emergency, public events or festivals. These accessories can help you get the word out whether it's from a vehicle or from a desktop station through speakers at a fixed location.

HSN4038A	External 13 Watt Water-resistant Speaker Requires adapter cable HKN6127A for dash mount.
HSN4039A	External 7.5 Watt Water-resistant Speaker Requires adapter cable HKN6127A for dash mount.
HKN6127A	Speaker Adapter Cable

mounting

Mounting Brackets

Mobile radios are often installed on the dash of a vehicle, and can run off its power source. Here are some of the accessories available for mounting mobiles in a vehicle.

GLN7324A	Low-Profile Mounting Bracket
GLN7317A	High-Profile Mounting Bracket. Extra clearance so radio can be tilted for a better view. Can also be mounted to floor.
HLN6372A	Key Lock Mount Key lock helps provide extra protection from theft. Lock/unlock radio from position in the mounting bracket.

Remote Mounting Kits

Converts a low or mid power radio from dash to remote mount. Ideal for vehicles with no convenient place to mount the radio near the dashboard, or where security is a concern. Includes 17 foot control head cable, 20 foot power cable, 40 foot power cable, control head back plate and mounting hardware, front plate for the transceiver and an adapter for the speaker.

H1634A	Remote Mount Retrofit Kit. Model I.
H1635A	Remote Mount Retrofit Kit. Models II and III.

REMOTE MOUNT KIT ACCESSORIES

HKN6111B	10 Foot Control Head Cable
HKN6112B	17 Foot Control Head Cable
HKN6113B	22 Foot Control Head Cable
HKN6118B	40 Foot Control Head Cable

HSN4038A External 13 Watt Speaker

MCS 2000™

antennas

Antennas

The signals for these antennas are radiated vertically, making them ideal for urban environments where buildings might obstruct the signal.

800 MHz ANTENNAS

HAF4002A	1/4 Wave Roof Mount, 806-900 MHz
RRA4983A	Roof Mount, 3dB Gain, 806-900 MHz

900 MHz ANTENNAS

RRA4935A	Roof Mount with 14 Ft. Cable 3dB Gain, 890-960 MHz
RAF4003ARM	Roof Mount with 22 Ft. Cable 3dB Gain, 860-960 MHz

VHF ANTENNAS

HAD4006A	1/4 Wave Roof Mount, 136-144 MHz
HAD4007A	1/4 Wave Roof Mount, 144-152 MHz
HAD4008A	1/4 Wave Roof Mount, 152-162 MHz
HAD4009A	1/4 Wave Roof Mount, 162-174 MHz
RAD4010ARB	Roof Mount, 3dB Gain, 136-174 MHz

UHF ANTENNAS

HAE4002A	1/4 Wave Roof Mount, 403-430 MHZ
HAE4003A	1/4 Wave Roof Mount, 450-470 MHz
HAE4004A	1/4 Wave Roof Mount, 470-512 MHz
HAE4010A	Roof Mount, 3.5dB Gain, 403-430 MHz
HAE4011A	Roof Mount, 3.5dB Gain, 450-470 MHz
HAE4012A	Roof Mount, 3.5dB Gain, 470-495 MHz
HAE4013A	Roof Mount, 3.5dB Gain, 494-512 MHz

Low Profile Antennas

UHF ANTENNAS

RAE4162A	White, 410-430 MHz, 3dB Gain Antenna
RAE4163A	Black, 410-430 MHz, 3dB Gain Antenna
RAE4164A	Black, 430-450 MHz, 3dB Gain Antenna
RAE4165A	White, 430-450 MHz, 3dB Gain Antenna
RAE4166A	Black, 470-490 MHz, 3dB Gain Antenna
RAE4167A	White, 450-470 MHz, 3dB Gain Antenna
RAE4168A	Black, 450-470 MHz, 3dB Gain Antenna
RAE4169A	White, 470-490 MHz, 3dB Gain Antenna

VHF ANTENNAS

RAD4207A	White, 150-168 MHz, Unity Gain Antenna
RAD4208A	Black, 150-168 MHz, Unity Gain Antenna
RAD4209A	Black, 142-160 MHz, Unity Gain Antenna
RAD4210A	White, 142-160 MHz, Unity Gain Antenna

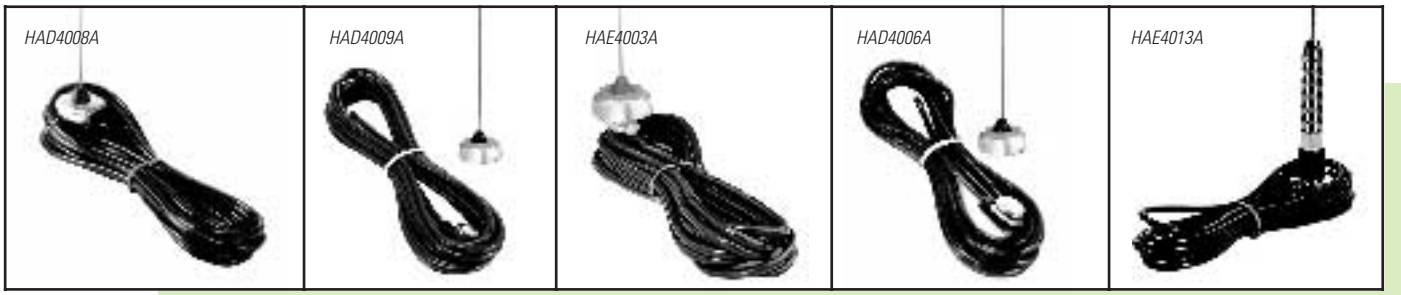
800 MHz ANTENNAS

RAF4217A	White, 821-896 MHz, 3dB Gain Antenna
RAF4218A	Black, 821-896 MHz, 3dB Gain Antenna
RAF4219A	Black, 806-866 MHz, 3dB Gain Antenna
RAF4220A	White, 806-866 MHz, 3dB Gain Antenna

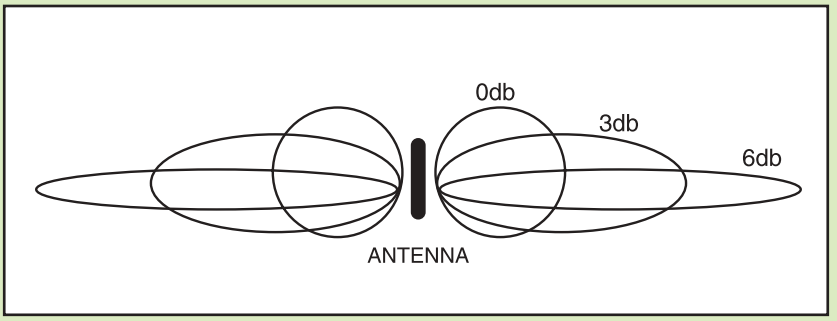
MOUNTING KITS

3080384M44	Black Magnetic with 12 ft. of RG58A/U Cable, Mini UHF Crimp
3080384M45	Chrome Magnetic with 12 ft. of RG58A/U Cable, Mini UHF Crimp
3080384M48	3/4 Inch Roof Mount with 17 ft. of RG58A/U Cable, Mini UHF Crimp
3080384M46	Chrome Trunk Mount with 17 ft. of RG58A/U Cable, Mini UHF Crimp
3080384M47	Black Trunk Mount with 17 ft. of RG58A/U Cable, Mini UHF Crimp

Mini UHF Crimp is included with RG58A/U cable in our selection of Mounting Kits.



Antennas that radiate vertically are ideal for urban environments. Direct signal antennas are designed for locations where signal coverage is sparse and must cover a larger area.



antenna gain characteristics

Low Profile Antenna Kits

These complete kits make installation easy for multipoint mobile applications. Perfect for service vehicles, public transportation, law enforcement, mining and construction vehicles, as well a numerous other commercial and industrial applications where mobility is a requirement. All kits include a 3/4 inch brass mount with 17 feet of RG58U/U cable.

UHF ANTENNA KITS

RAE4162ARB	White, 410-430 MHz, 3dB Gain Roof Mount Antenna
RAE4163ARB	Black, 410-430 MHz, 3dB Gain Roof Mount Antenna
RAE4164ARB	Black, 430-450 MHz, 3dB Gain Roof Mount Antenna
RAE4165ARB	White, 430-450 MHz, 3dB Gain Roof Mount Antenna
RAE4166ARB	Black, 470-490 MHz, 3dB Gain Roof Mount Antenna
RAE4167ARB	White, 450-470 MHz, 3dB Gain Roof Mount Antenna
RAE4168ARB	Black, 450-470 MHz, 3dB Gain Roof Mount Antenna
RAE4169ARB	White, 470-490 MHz, 3dB Gain Roof Mount Antenna

VHF ANTENNA KITS

RAD4207ARB	White, 150-168 MHz, Unity Gain Roof Mount Antenna
RAD4208ARB	Black, 150-168 MHz, Unity Gain Roof Mount Antenna
RAD4209ARB	Black, 142-160 MHz, Unity Gain Roof Mount Antenna
RAD4210ARB	White, 142-160 MHz, Unity Gain Roof Mount Antenna

800 MHz ANTENNA KITS

RAF4217ARB	White, 821-896 MHz, 3dB Gain Roof Mount Antenna
RAF4218ARB	Black, 821-896 MHz, 3dB Gain Roof Mount Antenna
RAF4219ARB	Black, 806-866 MHz, 3dB Gain Roof Mount Antenna
RAF4220ARB	White, 806-866 MHz, 3dB Gain Roof Mount Antenna

The above diagram compares a Unity gain or 0dB antenna with 3dB and 6dB radiation patterns. From the diagram above you can see that it is possible to communicate with a cell site further away. There are a few traps however, these high frequency signals have a tendency to bounce off buildings in built up areas, and off mountains in a valley. This means a high gain antenna is best-used in country areas where wide flat plains are between you and the cell site. In mountainous areas or in city environments where the topography varies considerably, a high gain radiation pattern will not work as efficiently as a unity gain.

MAXTRAC®

MAXTRAC® mobile radios can continue to provide dependable communication wherever your vehicle takes you.

MAXTRAC® RADIOS

This discontinued compact synthesized mobile radio continues to fit comfortably in today's downsized vehicles, and provides up to 32 channel operation and wide-spaced channel separation.

HMN1035C Heavy-Duty Palm Microphone

HMN1037B Non-Backlit Touch-Code Microphone

microphones

Microphones

HMN1035C	Heavy-Duty Palm Microphone with 10.5 Foot Coil Cord.
HMN1037B	Non-Backlit Touch-Code Microphone with Hang-up Clip
HMN1056D	Compact Palm Microphone with 7 Foot Coil Cord
HMN4016A	Noise-Cancelling Microphone
HMN3013A	Non-Backlit Full Size DTMF Microphone

MICROPHONE ACCESSORIES

HLN9073B	Handset with Hang-up Clip
HLN9559A	7 Foot Extended Coil Cord For HMN1035C and HMN1056D.
HLN9560A	10.5 Foot Coil Cord for Microphones For HMN1035C and HMN1056D.

HPN4007A
Power Supply

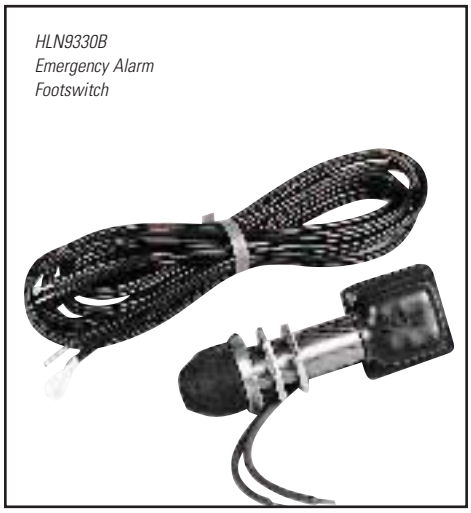
HSN4019B
5 Watt
External Speaker

alarm accessories

External Alarm Relay Accessories

These External Alarm Relay accessories can help provide extra protection from radio theft and tampering.

HLN9328C	External Alarm Relay and Cable. MAXTRAC 300 (16-pin connector) and 800 MHz display models only.
HLN9374C	External Alarm Relay and Cable. MAXTRAC 100 (5-pin connector) and 800 MHz non-display and 900 MHz.
RLN5132A	Emergency Alarm with Housing Connector
HLN9330B	Emergency Alarm Footswitch
HKN4284A	Ignition Switch Cable. 5-pin connector.
HKN9327BR	Ignition Switch Cable with Housing Connector.16-pin connector.



HLN9330B
Emergency Alarm
Footswitch

control station

Control Station Kit includes power supply, adapter cable, desk microphone and base tray.

HLN3199C	High Power Control Station Package. 25-60 watt models.
HLN3035C	Low Power Control Station Package. 1-25 watt models.

CONTROL STATION ACCESSORIES

RMN5068A	Desktop Microphone. Black. Large Push-to-Talk button.
HLN5292BR	Base Station Tray
HPN4008B	Power Supply, 1-25W, for low power radios. Power cord included.
HPN4007A	Power Supply, 25-60W, for low power radios. Power cord included.

POWER CABLES, PLUG & ADAPTER

HKN4139A	Power Cable for Low Power Control Station
HKN9455A	10 Foot Power Cable for High Power Control Station
HLN9457A	Accessory Plug and 16 Pins
HKN9557A	Mini-UHF Adapter Cable

Speakers and Public Address Kits

These accessories can help you get the word out whether it's from a vehicle or from a desktop station through speakers at a fixed location.

HLN3145CR	Public Address Kit. Includes two cables for mobile connection to public address box and speaker cables. Requires HSN1000B speaker.
HSN1000B	Amplified External Speaker for Public Address Audio 6 Watt. Required for use with HLN3145CR.
HKN9324AR	15 Ft. Public Address/Speaker Cable. One cable per speaker required.
HKN9325A	Cable Extender Kit for Public Address Kit.

EXTERNAL SPEAKERS

HSN4019B	5 Watt External Speaker for Receiver Audio. Requires 5-pin options connector.
HSN9326A	5 Watt External Speaker for Receiver Audio. Requires 16-pin options connector.

mounting brackets

Spare mounting brackets for radio installation in a second vehicle or providing a second mounting location for additional operator convenience.

HLN9637A	Key Lock Mount for Lowband and 800 MHz
HLN5226B	Extra Stability Mount. For HLN5189.
HLN5189A	Non-Locking Trunnion. For 800/840 Series only.

Remote Mounting Kits

Converts a low or mid power radio from dash to remote mount. Includes 17 foot control head cable, 20 and 40 foot power cables, control head back plate and mounting hardware, front plate for the transceiver and an adapter for the speaker.

H1634A	Remote Mount Retrofit Kit. Model I.
H1635A	Remote Mount Retrofit Kit. Models II and III.

REMOTE MOUNT KIT ACCESSORIES

HKN6111B	10 Foot Control Head Cable
HKN6112B	17 Foot Control Head Cable
HKN6113B	22 Foot Control Head Cable
HKN6118B	40 Foot Control Head Cable

MAXTRAC®

antennas

Antennas

The signals for these antennas are radiated vertically, making them ideal for urban environments where buildings might obstruct the signal.

800 MHz ANTENNAS

HAF4002A	1/4 Wave Roof Mount, 806-900 MHz
RRA4983A	Roof Mount, 3dB Gain, 806-900 MHz

900 MHz ANTENNAS

RRA4935A	Roof Mount with 14 Ft. Cable 3dB Gain, 890-960 MHz
RAF4003ARM	Roof Mount with 22 Ft. Cable 3dB Gain, 860-960 MHz

VHF ANTENNAS

HAD4006A	1/4 Wave Roof Mount, 136-144 MHz
HAD4007A	1/4 Wave Roof Mount, 144-152 MHz
HAD4008A	1/4 Wave Roof Mount, 152-162 MHz
HAD4009A	1/4 Wave Roof Mount, 162-174 MHz
RAD4010ARB	Roof Mount, 3dB Gain, 136-174 MHz

UHF ANTENNAS

HAE4002A	1/4 Wave Roof Mount, 403-430 MHZ
HAE4003A	1/4 Wave Roof Mount, 450-470 MHz
HAE4004A	1/4 Wave Roof Mount, 470-512 MHz
HAE4010A	Roof Mount, 3.5dB Gain, 403-430 MHz
HAE4011A	Roof Mount, 3.5dB Gain, 450-470 MHz
HAE4012A	Roof Mount, 3.5dB Gain, 470-495 MHz
HAE4013A	Roof Mount, 3.5dB Gain, 494-512 MHz

LOW BAND ANTENNAS

RAB4002ARB	1/4 Wave Base Loaded, 29.7-36.0 MHz
RAB4003ARB	1/4 Wave Base Loaded, 36-42 MHz
RAB4004ARB	1/4 Wave Base Loaded, 42-50 MHz

ANTENNA ADAPTERS

5880367B22	Mini-UHF to UHF Antenna Adapter
2880376E84	Mini-UHF Antenna Connector

Low Profile Antennas

UHF ANTENNAS

RAE4162A	White, 410-430 MHz, 3dB Gain Antenna
RAE4163A	Black, 410-430 MHz, 3dB Gain Antenna
RAE4164A	Black, 430-450 MHz, 3dB Gain Antenna
RAE4165A	White, 430-450 MHz, 3dB Gain Antenna
RAE4166A	Black, 470-490 MHz, 3dB Gain Antenna
RAE4167A	White, 450-470 MHz, 3dB Gain Antenna
RAE4168A	Black, 450-470 MHz, 3dB Gain Antenna
RAE4169A	White, 470-490 MHz, 3dB Gain Antenna

VHF ANTENNAS

RAD4207A	White, 150-168 MHz, Unity Gain Antenna
RAD4208A	Black, 150-168 MHz, Unity Gain Antenna
RAD4209A	Black, 142-160 MHz, Unity Gain Antenna
RAD4210A	White, 142-160 MHz, Unity Gain Antenna

800 MHz ANTENNAS

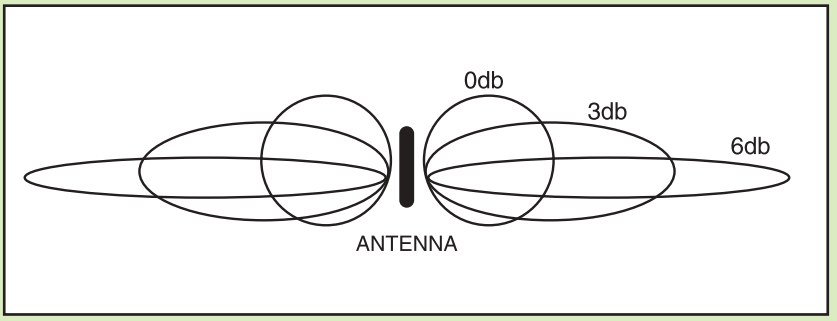
RAF4217A	White, 821-896 MHz, 3dB Gain Antenna
RAF4218A	Black, 821-896 MHz, 3dB Gain Antenna
RAF4219A	Black, 806-866 MHz, 3dB Gain Antenna
RAF4220A	White, 806-866 MHz, 3dB Gain Antenna

MOUNTING KITS

3080384M44	Black Magnetic with 12 ft. of RG58A/U Cable, Mini UHF Crimp
3080384M45	Chrome Magnetic with 12 ft. of RG58A/U Cable, Mini UHF Crimp
3080384M48	3/4 Inch Roof Mount with 17 ft. of RG58A/U Cable, Mini UHF Crimp
3080384M46	Chrome Trunk Mount with 17 ft. of RG58A/U Cable, Mini UHF Crimp
3080384M47	Black Trunk Mount with 17 ft. of RG58A/U Cable, Mini UHF Crimp

Mini UHF Crimp is included with RG58A/U cable in our selection of Mounting Kits.

Antennas that radiate vertically are ideal for urban environments. Direct signal antennas are designed for locations where signal coverage is sparse and must cover a larger area.



antenna gain characteristics

Low Profile Antenna Kits

These complete kits make installation easy for multipoint mobile applications. Perfect for service vehicles, public transportation, law enforcement, mining and construction vehicles, as well a numerous other commercial and industrial applications where mobility is a requirement. All kits include a 3/4 inch brass mount with 17 feet of RG58U/U cable.

UHF ANTENNA KITS

RAE4162ARB	White, 410-430 MHz, 3dB Gain Roof Mount Antenna
RAE4163ARB	Black, 410-430 MHz, 3dB Gain Roof Mount Antenna
RAE4164ARB	Black, 430-450 MHz, 3dB Gain Roof Mount Antenna
RAE4165ARB	White, 430-450 MHz, 3dB Gain Roof Mount Antenna
RAE4166ARB	Black, 470-490 MHz, 3dB Gain Roof Mount Antenna
RAE4167ARB	White, 450-470 MHz, 3dB Gain Roof Mount Antenna
RAE4168ARB	Black, 450-470 MHz, 3dB Gain Roof Mount Antenna
RAE4169ARB	White, 470-490 MHz, 3dB Gain Roof Mount Antenna

VHF ANTENNA KITS

RAD4207ARB	White, 150-168 MHz, Unity Gain Roof Mount Antenna
RAD4208ARB	Black, 150-168 MHz, Unity Gain Roof Mount Antenna
RAD4209ARB	Black, 142-160 MHz, Unity Gain Roof Mount Antenna
RAD4210ARB	White, 142-160 MHz, Unity Gain Roof Mount Antenna

800 MHz ANTENNA KITS

RAF4217ARB	White, 821-896 MHz, 3dB Gain Roof Mount Antenna
RAF4218ARB	Black, 821-896 MHz, 3dB Gain Roof Mount Antenna
RAF4219ARB	Black, 806-866 MHz, 3dB Gain Roof Mount Antenna
RAF4220ARB	White, 806-866 MHz, 3dB Gain Roof Mount Antenna

The above diagram compares a Unity gain or 0dB antenna with 3dB and 6dB radiation patterns. From the diagram above you can see that it is possible to communicate with a cell site further away. There are a few traps however, these high frequency signals have a tendency to bounce off buildings in built up areas, and off mountains in a valley. This means a high gain antenna is best-used in country areas where wide flat plains are between you and the cell site. In mountainous areas or in city environments where the topography varies considerably, a high gain radiation pattern will not work as efficiently as a unity gain.

MARATRAC®

MARATRAC® mobile radios can continue to provide dependable communication wherever your vehicle takes you.

MARATRAC® RADIOS

With the small control head of this two-piece, discontinued mobile radio, you can continue to mount the unit anywhere in a vehicle. Dedicated buttons provide easy control of features like scan, multiple Private Line codes, signalling calls, external alarms, and repeater Talkaround.

microphones

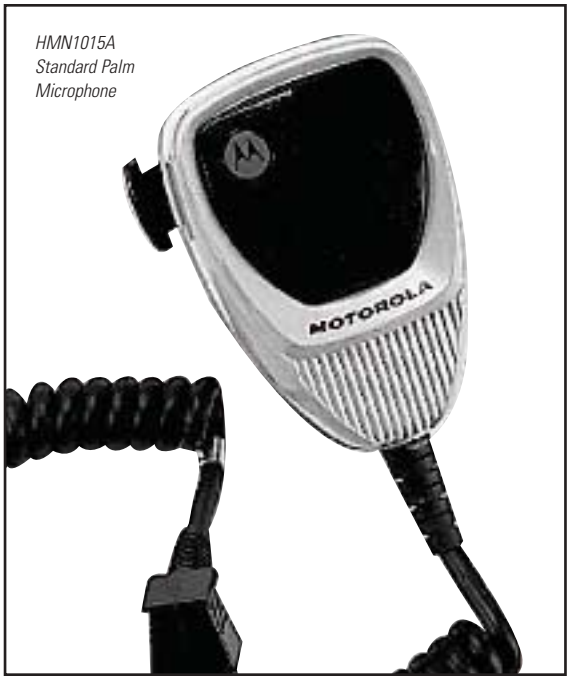
Microphones

A variety of microphones are available to add flexibility and ease of operation.

HMN1015A	Standard Palm Microphone For A2 and A3 models.
HMN1061A	Standard Palm Microphone For A7 model.
HMN4013A	Noise-Cancelling Microphone For A7 model.
HMN1032B	DTMF Microphone For A7 model.

MICROPHONE ACCESSORIES

HLN1220B	Handset with Hang-Up Box



HMN1015A Standard Palm Microphone

HSN4020B
External Speaker

TDN6254A
Siren
Speaker

TDN6253A
Siren Speaker

speakers

College campuses, commercial and industrial complexes, government facilities, military bases, municipal district, local schools and even cities have a great need to be able to communicate with the public in the event of an emergency, public events or festivals. These accessories can help you get the word out.

HSN4020B	External Speaker for MARATRAC A2 and A3 models
HSN4021B	External Speaker for MARATRAC A5 and A7 models

SPEAKERS FOR SIREN

TDN6251A	Siren Speaker, round with chrome finish
TDN6252A	Siren Speaker, rectangular with chrome finish
TDN6253A	Siren Speaker, rectangular with grey finish
TDN6254A	Siren Speaker, round with grey finish

control heads

Mount your choice of control head anywhere in a vehicle for more convenient installation and maximum ease of use.

BASIC CONTROL HEADS

HCN1089A	VHF, UHF A7 Advanced Control Head
HCN1090A	Lowband A7, 99-channel Advanced Control Head with Adjustable Squelch Control. For use with radios shipped since 10/94.
HCN1051A	Hand Held A5 Control Head

Front and Rear Control Head Kit

Front and Rear Control Head Kit includes auxiliary handset, hang-up cup, control box and power voice speaker. Requires control cable.

HLN1398A	Front and Rear Control Head Kit Requires one of the following control cable sets.

CONTROL CABLES SETS

YKN4228A	17 Foot Front and 40 Foot Rear Control Cable
YKN4230A	17 Foot Front and 80 Foot Rear Control Cable
YKN4229A	25 Foot Front and 40 Foot Rear Control Cable

alarm accessories

External Alarm Relay Accessories

These External Alarm Relay accessories can help provide extra protection from radio theft and tampering. Horn and Lights are not independently selectable on low band models.

HKN1015A	External Alarm Cable and Relay, VHF and UHF - For Horn and Lights
HLN9368A	External Alarm Cable and Relay, Low Band - For Horn and Lights

MARATRAC®

antennas

Antennas

The signals for these antennas are radiated vertically, making them ideal for urban environments where buildings might obstruct the signal.

LOW BAND ANTENNAS

RAB4002ARA	1/4 Wave Base Loaded, 29.7-36 MHz
RAB4003ARA	1/4 Wave Base Loaded, 36-42 MHz
RAB4004ARA	1/4 Wave Base Loaded, 42-50 MHz

VHF ANTENNAS

TAD6112A	1/4 Wave Roof Mount, 144-152 MHz
TAD6113A	1/4 Wave Roof Mount, 152-162 MHz
TAD6114A	1/4 Wave Roof Mount, 162-174 MHz
TAD6290B	Unity Gain Roof Mount, 150-174 MHz
RAD4010ARA	3dB Gain Roof Mount, 136-174 MHz

UHF ANTENNAS

TAE6052A	1/4 Wave Roof Mount, 450-470 MHz
TAE6072A	3.5dB Gain Roof Mount, 450-470 MHz

Low Profile Antennas

UHF ANTENNAS

RAE4162A	White, 410-430 MHz, 3dB Gain Antenna
RAE4163A	Black, 410-430 MHz, 3dB Gain Antenna
RAE4164A	Black, 430-450 MHz, 3dB Gain Antenna
RAE4165A	White, 430-450 MHz, 3dB Gain Antenna
RAE4166A	Black, 470-490 MHz, 3dB Gain Antenna
RAE4167A	White, 450-470 MHz, 3dB Gain Antenna
RAE4168A	Black, 450-470 MHz, 3dB Gain Antenna
RAE4169A	White, 470-490 MHz, 3dB Gain Antenna

VHF ANTENNAS

RAD4207A	White, 150-168 MHz, Unity Gain Antenna
RAD4208A	Black, 150-168 MHz, Unity Gain Antenna
RAD4209A	Black, 142-160 MHz, Unity Gain Antenna
RAD4210A	White, 142-160 MHz, Unity Gain Antenna

800 MHz ANTENNAS

RAF4217A	White, 821-896 MHz, 3dB Gain Antenna
RAF4218A	Black, 821-896 MHz, 3dB Gain Antenna
RAF4219A	Black, 806-866 MHz, 3dB Gain Antenna
RAF4220A	White, 806-866 MHz, 3dB Gain Antenna

MOUNTING KITS

3080384M44	Black Magnetic with 12 ft. of RG58A/U Cable, Mini UHF Crimp
3080384M45	Chrome Magnetic with 12 ft. of RG58A/U Cable, Mini UHF Crimp
3080384M48	3/4 Inch Roof Mount with 17 ft. of RG58A/U Cable, Mini UHF Crimp
3080384M46	Chrome Trunk Mount with 17 ft. of RG58A/U Cable, Mini UHF Crimp
3080384M47	Black Trunk Mount with 17 ft. of RG58A/U Cable, Mini UHF Crimp

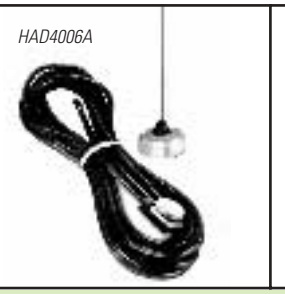
Mini UHF Crimp is included with RG58A/U cable in our selection of Mounting Kits.

HAD4008A

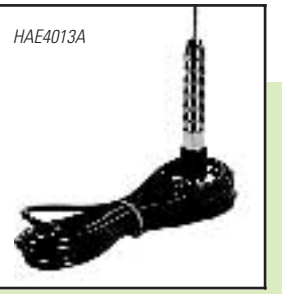
HAD4009A

HAE4003A

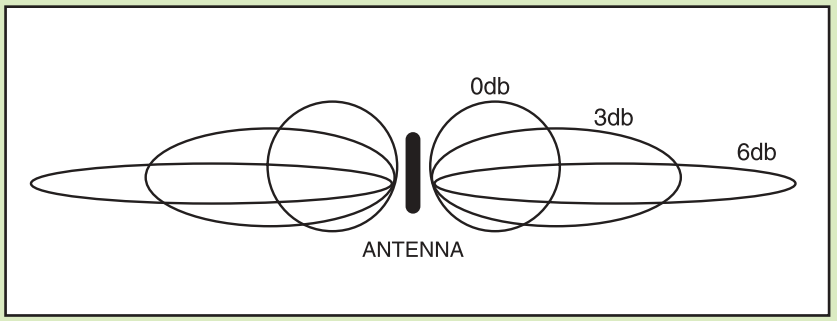
HAD4006A



HAE4013A



Antennas that radiate vertically are ideal for urban environments. Direct signal antennas are designed for locations where signal coverage is sparse and must cover a larger area.



antenna gain characteristics

Low Profile Antenna Kits

These complete kits make installation easy for multipoint mobile applications. Perfect for service vehicles, public transportation, law enforcement, mining and construction vehicles, as well a numerous other commercial and industrial applications where mobility is a requirement. All kits include a 3/4 inch brass mount with 17 feet of RG58U/U cable.

UHF ANTENNA KITS

RAE4162ARB	White, 410-430 MHz, 3dB Gain Roof Mount Antenna
RAE4163ARB	Black, 410-430 MHz, 3dB Gain Roof Mount Antenna
RAE4164ARB	Black, 430-450 MHz, 3dB Gain Roof Mount Antenna
RAE4165ARB	White, 430-450 MHz, 3dB Gain Roof Mount Antenna
RAE4166ARB	Black, 470-490 MHz, 3dB Gain Roof Mount Antenna
RAE4167ARB	White, 450-470 MHz, 3dB Gain Roof Mount Antenna
RAE4168ARB	Black, 450-470 MHz, 3dB Gain Roof Mount Antenna
RAE4169ARB	White, 470-490 MHz, 3dB Gain Roof Mount Antenna

VHF ANTENNA KITS

RAD4207ARB	White, 150-168 MHz, Unity Gain Roof Mount Antenna
RAD4208ARB	Black, 150-168 MHz, Unity Gain Roof Mount Antenna
RAD4209ARB	Black, 142-160 MHz, Unity Gain Roof Mount Antenna
RAD4210ARB	White, 142-160 MHz, Unity Gain Roof Mount Antenna

800 MHz ANTENNA KITS

RAF4217ARB	White, 821-896 MHz, 3dB Gain Roof Mount Antenna
RAF4218ARB	Black, 821-896 MHz, 3dB Gain Roof Mount Antenna
RAF4219ARB	Black, 806-866 MHz, 3dB Gain Roof Mount Antenna
RAF4220ARB	White, 806-866 MHz, 3dB Gain Roof Mount Antenna

The above diagram compares a Unity gain or 0dB antenna with 3dB and 6dB radiation patterns. From the diagram above you can see that it is possible to communicate with a cell site further away. There are a few traps however, these high frequency signals have a tendency to bounce off buildings in built up areas, and off mountains in a valley. This means a high gain antenna is best-used in country areas where wide flat plains are between you and the cell site. In mountainous areas or in city environments where the topography varies considerably, a high gain radiation pattern will not work as efficiently as a unity gain.

SPECTRA® *SPECTRA® mobile radios can continue to provide reliable SMARTNET trunked operation.*

SPECTRA® RADIOS

The compact, space-saving footprint of this discontinued mobile radio lets you access multiple modes of operation from your choice of vehicle. With convenient FLASHport™ software upgrades and the Motorola Original® accessories that follow, your SPECTRA® radio can continue to meet evolving communication needs.

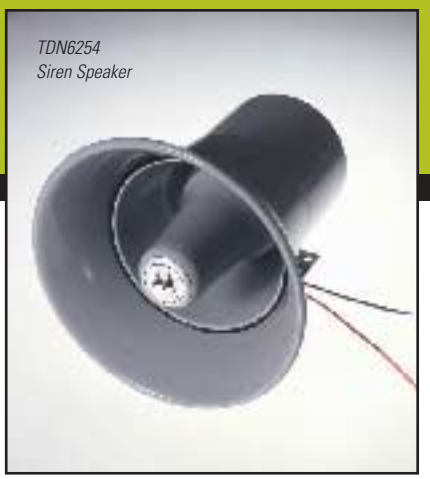
microphones

HMN1080A	Standard Palm Microphone
HMN1081A	Palm Microphone For use with ASTRO® Digital SPECTRA.
HMN1061A	Palm Microphone For use with ASTRO® Digital SPECTRA W9 Radio and A7 Model.
HMN1053B	DTMF Microphone
5084898K10	Noise-Cancelling Microphone For W9 radio.
HMN1079A	Water-Resistant Palm Microphone

MICROPHONE ACCESSORIES

HLN1220B	Handset with Hang-Up Box

HMN1053B
DTMF Microphone



TDN6254
Siren Speaker

HPN4007A
Power Supply

HSN4019B
5 Watt
External
Speaker

control station

These control station accessories allow you to convert SPECTRA mobile two-way radios into convenient base stations. The radio sits in a desktop tray, add an external microphone, speaker and power supply to complete. This makes an ideal communication solution for transportation, manufacturing, construction and public safety users.

CONTROL STATION ACCESSORIES

RMN5083A	Desktop Microphone. Black. Large Push-to-Talk button.
HLN6042A	Control Station Tray
HPN4007A	Power Supply, 25-60 Watt For high power radios. Power cord included.
HKN4139A	Power Cable

Siren/Public Address Kits and Speakers

College campuses, commercial and industrial complexes, government facilities, military bases, municipal district, local schools and even cities have a great need to be able to communicate with the public in the event of an emergency, public events or festivals. These accessories can help provide audio for high ambient noise environments.

SIREN/PUBLIC ADDRESS KITS

H1500B	Siren/Public Address Kit. Steady tone operates via button on control head.
H1336B	Siren/Public Address Kit. Provides controlled tones for hi/low, yelp and airhorn through supplemental housing.

SPEAKERS FOR SIREN AND PUBLIC ADDRESS

TDN6251A	Siren Speaker, round with chrome finish
TDN6252A	Siren Speaker, rectangular with chrome finish
TDN6253A	Siren Speaker, rectangular with grey finish
TDN6254A	Siren Speaker, round with grey finish

EXTERNAL SPEAKER

HSN4018B	External Speaker. For ambient high-noise environments.

alarm accessories

Emergency Switches

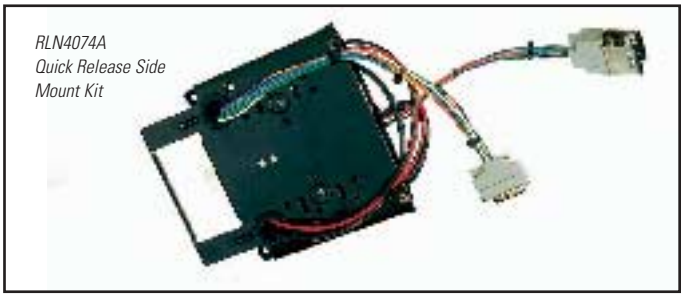
Lets user notify the base station quickly and discreetly of trouble. Sends unit ID alarm to base station and activates the microphone.

HLN5131C	External Emergency Button
HLN5113B	Emergency Footswitch

mounting

Spare mounting brackets for radio installation in a vehicle or providing a second mounting location for additional operator convenience.

HLN6025A	Key Lock Mount Key lock helps provide extra protection from theft. Lock/unlock radio from position in the mounting bracket.
RLN4074A	Quick Release Side Mount Kit, includes radio mount, vehicle mount and mounting hardware.
HLN6275A	Deck Mounting Hardware



RLN4074A
Quick Release Side
Mount Kit

SPECTRA®

antennas

Antennas

The signals for these antennas are radiated vertically, making them ideal for urban environments where buildings might obstruct the signal.

800 MHz ANTENNAS

HAF4002A	1/4 Wave Roof Mount, 806-900 MHz
RRA4983A	Roof Mount, 3dB Gain, 806-900 MHz

900 MHz ANTENNAS

RRA4935A	Roof Mount with 14 Ft. Cable 3dB Gain, 890-960 MHz
RAF4003ARM	Roof Mount with 22 Ft. Cable 3dB Gain, 860-960 MHz

VHF ANTENNAS

HAD4006A	1/4 Wave Roof Mount, 136-144 MHz
HAD4007A	1/4 Wave Roof Mount, 144-152 MHz
HAD4008A	1/4 Wave Roof Mount, 152-162 MHz
HAD4009A	1/4 Wave Roof Mount, 162-174 MHz
RAD4010ARB	Roof Mount, 3dB Gain, 136-174 MHz

UHF ANTENNAS

HAE4002A	1/4 Wave Roof Mount, 403-430 MHZ
HAE4003A	1/4 Wave Roof Mount, 450-470 MHz
HAE4004A	1/4 Wave Roof Mount, 470-512 MHz
HAE4010A	Roof Mount, 3.5dB Gain, 403-430 MHz
HAE4011A	Roof Mount, 3.5dB Gain, 450-470 MHz
HAE4012A	Roof Mount, 3.5dB Gain, 470-495 MHz
HAE4013A	Roof Mount, 3.5dB Gain, 494-512 MHz

Low Profile Antennas

UHF ANTENNAS

RAE4162A	White, 410-430 MHz, 3dB Gain Antenna
RAE4163A	Black, 410-430 MHz, 3dB Gain Antenna
RAE4164A	Black, 430-450 MHz, 3dB Gain Antenna
RAE4165A	White, 430-450 MHz, 3dB Gain Antenna
RAE4166A	Black, 470-490 MHz, 3dB Gain Antenna
RAE4167A	White, 450-470 MHz, 3dB Gain Antenna
RAE4168A	Black, 450-470 MHz, 3dB Gain Antenna
RAE4169A	White, 470-490 MHz, 3dB Gain Antenna

VHF ANTENNAS

RAD4207A	White, 150-168 MHz, Unity Gain Antenna
RAD4208A	Black, 150-168 MHz, Unity Gain Antenna
RAD4209A	Black, 142-160 MHz, Unity Gain Antenna
RAD4210A	White, 142-160 MHz, Unity Gain Antenna

800 MHz ANTENNAS

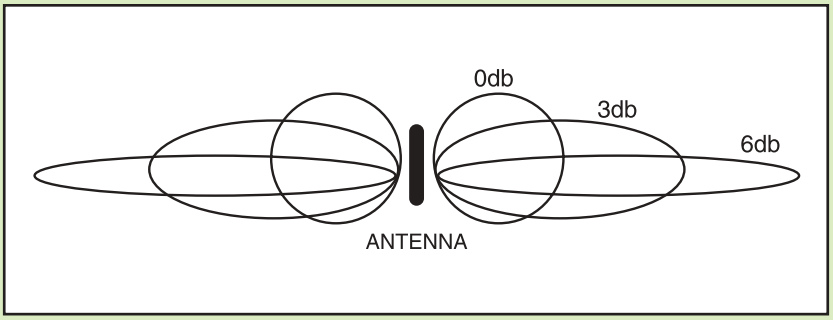
RAF4217A	White, 821-896 MHz, 3dB Gain Antenna
RAF4218A	Black, 821-896 MHz, 3dB Gain Antenna
RAF4219A	Black, 806-866 MHz, 3dB Gain Antenna
RAF4220A	White, 806-866 MHz, 3dB Gain Antenna

MOUNTING KITS

3080384M44	Black Magnetic with 12 ft. of RG58A/U Cable, Mini UHF Crimp
3080384M45	Chrome Magnetic with 12 ft. of RG58A/U Cable, Mini UHF Crimp
3080384M48	3/4 Inch Roof Mount with 17 ft. of RG58A/U Cable, Mini UHF Crimp
3080384M46	Chrome Trunk Mount with 17 ft. of RG58A/U Cable, Mini UHF Crimp
3080384M47	Black Trunk Mount with 17 ft. of RG58A/U Cable, Mini UHF Crimp

Mini UHF Crimp is included with RG58A/U cable in our selection of Mounting Kits.

Antennas that radiate vertically are ideal for urban environments. Direct signal antennas are designed for locations where signal coverage is sparse and must cover a larger area.



antenna gain characteristics

Low Profile Antenna Kits

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UHF ANTENNA KITS

RAE4162ARB	White, 410-430 MHz, 3dB Gain Roof Mount Antenna
RAE4163ARB	Black, 410-430 MHz, 3dB Gain Roof Mount Antenna
RAE4164ARB	Black, 430-450 MHz, 3dB Gain Roof Mount Antenna
RAE4165ARB	White, 430-450 MHz, 3dB Gain Roof Mount Antenna
RAE4166ARB	Black, 470-490 MHz, 3dB Gain Roof Mount Antenna
RAE4167ARB	White, 450-470 MHz, 3dB Gain Roof Mount Antenna
RAE4168ARB	Black, 450-470 MHz, 3dB Gain Roof Mount Antenna
RAE4169ARB	White, 470-490 MHz, 3dB Gain Roof Mount Antenna

VHF ANTENNA KITS

RAD4207ARB	White, 150-168 MHz, Unity Gain Roof Mount Antenna
RAD4208ARB	Black, 150-168 MHz, Unity Gain Roof Mount Antenna
RAD4209ARB	Black, 142-160 MHz, Unity Gain Roof Mount Antenna
RAD4210ARB	White, 142-160 MHz, Unity Gain Roof Mount Antenna

800 MHz ANTENNA KITS

RAF4217ARB	White, 821-896 MHz, 3dB Gain Roof Mount Antenna
RAF4218ARB	Black, 821-896 MHz, 3dB Gain Roof Mount Antenna
RAF4219ARB	Black, 806-866 MHz, 3dB Gain Roof Mount Antenna
RAF4220ARB	White, 806-866 MHz, 3dB Gain Roof Mount Antenna

The above diagram compares a Unity gain or 0dB antenna with 3dB and 6dB radiation patterns. From the diagram above you can see that it is possible to communicate with a cell site further away. There are a few traps however, these high frequency signals have a tendency to bounce off buildings in built up areas, and off mountains in a valley. This means a high gain antenna is best-used in country areas where wide flat plains are between you and the cell site. In mountainous areas or in city environments where the topography varies considerably, a high gain radiation pattern will not work as efficiently as a unity gain.

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